The National CLEANER & DYER

FIRST IN THE DRYCLEANING INDUSTRY SINCE 1910

GUIDEBOOK ISSUE OF THE DRYCLEANING INDUSTRY

GUIDE TO CONSTRUCTION and REMODELING . . . PAGE 70

How To Do Business With Architects and Builders
How To Estimate Costs
Preliminary Planning
The Building Itself
Plumbing and Heating
Electrical Requirements and Lighting
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JUNE 1955



Don't forget

always precoat your filter with Hyflo

A good precoat of Hyflo pays off because it prevents dirt and lint from clogging the screen . . . simplifies cleaning later. Johns-Manville Hyflo* is the high speed filter powder that makes solvent recovery almost automatic. It always removes insoluble impurities, never removes active detergent.

Hyflo works with every type of system, filter or solvent. Most cleaners have depended on it ever since it revolutionized drycleaning methods 32 years ago. If you are not already using Hyflo, write today for name of your dealer. Address Johns-Manville, Box 60, New York 16, N. Y. In Canada, 199 Bay Street, Toronto 1, Ontario.

The complete filter powder service for drycleaners

- **J-M Dealers**—there's one nearby, ready to serve you
- **J-M Drycleaners Handbook**—ask your dealer for the new 7th Edition
- **J-M Engineers**—for help on your operating problems
- **J-M Drycleaning Laboratory**—for expert study of the latest cleaning methods



*Trade mark reg. U. S. Pat. Off.

Johns-Manville HYFLO

the filter powder for charged system cleaning



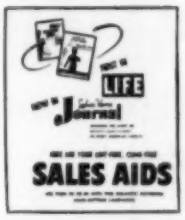
Here's the dynamic power behind the tremendous

LINT-FREE CLING-FREE†

DRY CLEANING CAMPAIGN

. . . dry cleaning sales UP!

. . . operating costs way DOWN!



You'd better start making preparations for the hundreds of customers in your area who are going to be demanding Buckeye Clean Charge* dry cleaning. Write for complete information.

● ANTI-STATIC PROPERTIES

Provide safe, thorough, effective control of lint and static! Dark, lint-gathering fabrics and soft lint-laden fabrics are dry cleaned lint-free, cling-free by Buckeye Clean Charge*!

● LOWER OPERATING COSTS

Fabric classification time is greatly reduced! Hand finishing and brushing are eliminated! Buckeye Clean Charge* takes the guess work out of dry cleaning!

● NATIONAL ADVERTISING

Activates consumer interest—millions of readers of Life, Ladies Home Journal and Good Housekeeping are demanding "lint-free", "cling-free" dry cleaning.

● EFFECTIVE SALES AIDS

Specially designed sales aids . . . Newspaper Mats, Window and Wall Banners, Decals, Garment Bags, Publicity Releases, Radio and Television Spots, film, and other hard-hitting sales promotional material is available to plants using Buckeye Clean-Charge*.

SYMBOL OF QUALITY

THE DAVIES-YOUNG SOAP COMPANY

Producers of Quality Products for the Cleaning and Laundry Industry Since 1844

†Trade Mark of the Davies-Young Soap Co., Dayton, Ohio *patent applied for: product and process

NATIONAL CLEANER & DYER, June, 1955. Published monthly by the Business Papers Division of The Reuben H. Donnelley Corp. Publication Office, 109 W. Chestnut Street, Lancaster, Penna., U. S. A. Executive and Editorial Offices: 304 East 45th Street, New York 17, N. Y. Subscription rates: United States and Canada, $4.00; Foreign, $6.00 per year. Volume 46, No. 6. Entered as 2nd class matter April 21, 1948, at the Post Office, Lancaster, Pa., under the Act of March 3, 1879.

Textile Expert Warns: Wash'n'Wear to Hurt Cleaners!

But many plants can say "No!" Here's why...

"The advent of Wash'n'Wear suits will affect the drycleaning business," stated Arthur J. Weldon of DuPont in an address at NID's Chicago Convention.

If drycleaners take no remedial action, Mr. Weldon is absolutely right. And besides the suits he mentions, there also are wash-and-wear dresses, skirts, sweaters, slacks and and coats. Not just summer stuff, either. Ads are now showing wash-and-wear *winter* suits!

All elements of the clothing trade are in on the act, spending millions to say "You don't have to get it drycleaned; you don't have to pay for pressing."

This probably would never have happened if (1) synthetic fibers were not so heat-sensitive and (2) old-fashioned pressing methods in cleaning plants did not cause permanent damage to the chemical fibers.

But fiber producers, textile mills, garment makers and retailers want to sell more units of clothing. They can't let the heat-sensitivity of fibers nor high temperatures of ordinary finishing methods hold them back. So they detour the problem via wash-and-wear: "Just wash it at home, hang to dry, put on and wear. Save on cleaning and pressing bills."

Wash'n'wear is here. How can the drycleaner keep his volume from being *washed* away?

First, he MUST equip his presses for handling the fabrics by putting a Freeman *Fabric-Safe* Doubleplate on each "wool" press to reduce steam's temperature to a *safe* level of 250 degrees for avoiding fabric damage by heat, and so that the textured "cat-tongue" surface can prevent moire and shine to which synthetics are susceptible.

Also, he MUST have enough *Lusterplate* Doubleplates to avoid overglazing and glassy streaking of his "silks," cottons and all lustrous fabrics.

Then the cleaner must let buyers of cleaning service know he has the modern finishing to assure perfect care and safety of their garments, and point out the dangers of home cleaning and ironing ("setting" of stains, adding permanent wrinkles, etc.) and the damage that can result.

Finally, with *Fabric-Safe* and *Lusterplate* on every press, he can tell local retailers the hazards and impracticability of wash-and-wear merchandise, and *prove* that he can provide safe, finer finishing of such garments.

Unless these things are done, the wash-and-wear campaign *will* hurt cleaners' volume. Hundreds of plants are now *Fabric-Safe* equipped. But only when ALL presses in ALL plants have the Doubleplates can the industry fight wash-and-wear effectively.

Copyright 1955, Davis Specialties, Inc. Evanston, Illinois.

PAID ADVERTISEMENT



MULTI-MILLION-DOLLAR GAMBLE

Since synthetics came in, cleaners risk loss every time a garment goes to the finishers

Of the billion-plus garments dry-cleaners will handle this year, more than 300 million will have heat-sensitive fibers. That would be upwards of *15 billion dollars worth of potential damage*—if it weren't for the new *safe* doubleplates now available.

Bringing it closer to home, the "average" cleaner handles about 600 articles weekly. At least a third of them are synthetics and represent $4,000 in possible claims for the plant that uses old-fashioned, hazardous methods of finishing.

Even experts can no longer tell a fabric's composition by its appearance. Some 100% synthetics look and feel more like wool than wool itself. The "silks" are even trickier. Until exposed to pressing or hand-ironing, you can't know whether a fabric's fibers are natural or man-made. By then, it may be too late!

Once a synthetic fabric has been scorched, glazed or otherwise marked by either steam or high heat, the damage is there to stay. All the king's horses and all the king's men can't put Humpty together again. So—the cleaner has a claim on his hands.

It's a silly gamble to take. Just preventing *one* damage per press by equipping it with the new *safe* doubleplate pays for the investment. And you get a big bonus—in safety, finer finishing and lower cost—with every garment you press from then on, heat-sensitive or not.

Facts just have to be faced: (1) The man-made fibers are here to stay. (2) The list of synthetics is a yard long and lengthening every day. (3) "Test-tube textiles" are now in at least 35% of men's attire and in 50% to 80% of women's wear. (4) Some chemical fibers are more heat-sensitive than others, but *all* of them react unfavorably to high temperatures of previous finishing methods. (5) Cleaners, therefore, simply have to revise the finishing techniques that served well the past 50 years but are wrong and dangerous now.

The transition from the old and obsolete to the new and *safe* is both easy and economical, thanks to five years and a quarter million dollars spent by Davis Specialties on research and development. Just by replacing the old-style *single* pressplate with one of the remarkable new *Fabric-Safe double*plates on every steam-head press, the plant-owner completely attunes his finishing to the new era in fabrics. For a cost of perhaps only 3% of his investment in presses, he makes those machines perfect—qualitywise and *safety*wise—for handling the modern fabrics. The cost is trifling. But look what you get:

The Freeman *Fabric-Safe* Doubleplate's textured "cat-tongue" surface prevents 90% of shine on wool-like fabrics and eliminates the problem of moire. On silks, cottons and all lustrous fabrics, the Freeman *Lusterplate* Doubleplate's polished and perforated surface prevents overglazing, streaking or brittleness. *Both* prevent steam marks and heat damage. Used interchangeably on the same press, they *double* its usefulness: it can finish safely *any* fabric that comes along!

Copyright 1955, Davis Specialties, Inc. Evanston, Illinois

You Could Lose... 35% of your Customers

by spoiling their "Miracle" fabrics!

HOLD THEM with

Safe finishing of *heat-sensitive* Dacron, Orlon...

Finer finishing of wools, silks, cottons!

BY EQUIPPING PRESSES NOW WITH

FREEMAN *Fabric-Safe* DOUBLEPLATE

INTERCHANGES in 15 Seconds with LUSTERplate



for WOOLS

PATENTED

WITH CAT-TONGUE TEXTURED SURFACE FOR WOOLS.

Beautifies the Fabric

Utility sizes 38" to 45" (Hoff. CO-5, Pan. 41, Pros. 443, etc.).....$29.85

Mushroom sizes.....$21.85

Large sizes (over 45").$38.85



Eliminates MOIRE

STEAM MARKS

90% OF SHINE

"Watermark" moire is never created on pressed side of fabric.

Steam spreads evenly. No more "nickel spots" on garments.

Prevents major causes of shine. Gives garments that new-look.

*"Dacron" DuPont's polyester fiber. **"Orlon" DuPont's acrylic fiber.

© 1955

CUTS DO-OVERS... CUTS COST!

DAVIS SPECIALTIES, INC. MANUFACTURERS, EVANSTON, ILL.

PAID ADVERTISEMENT

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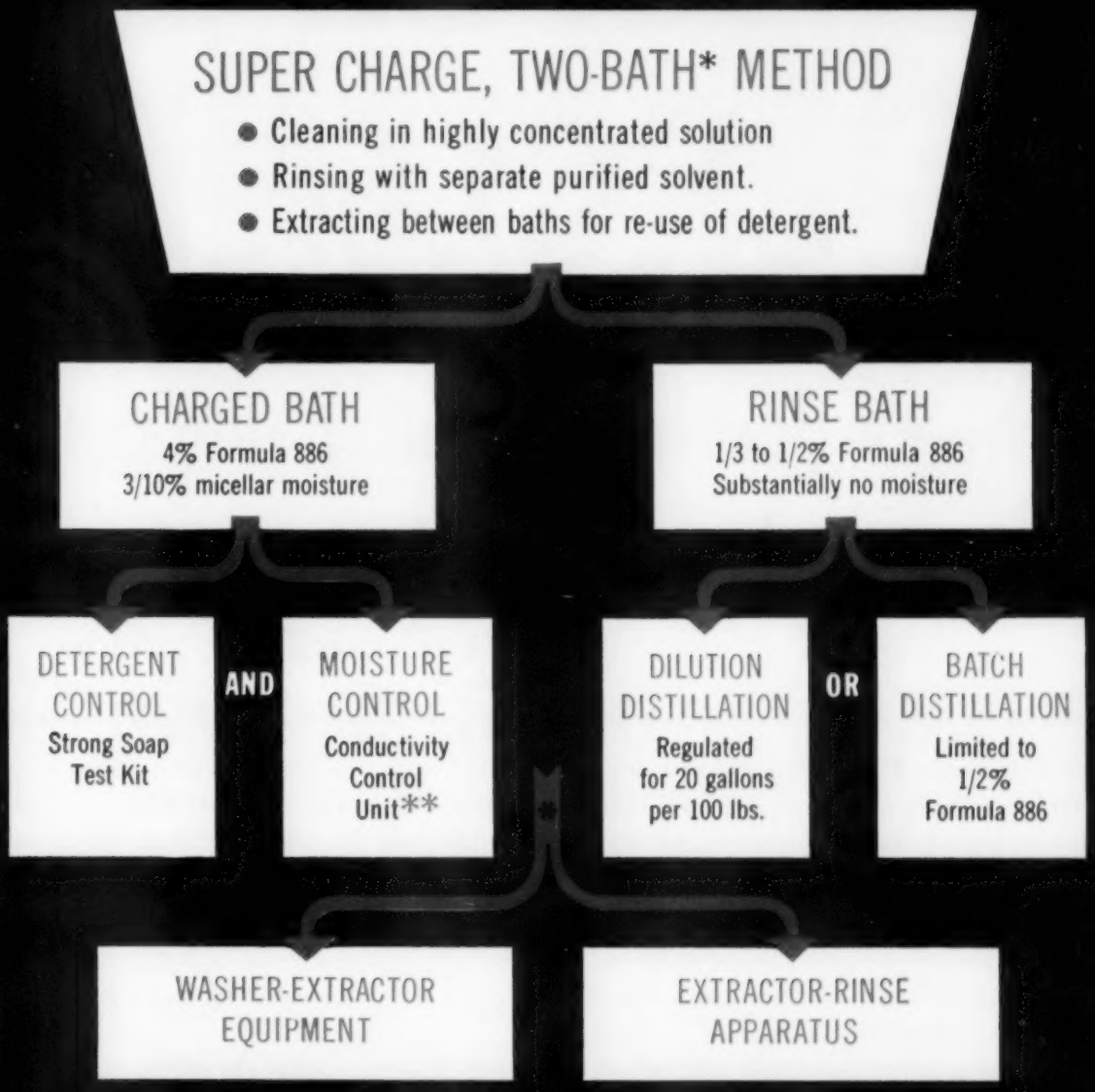
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The only scientific approach to the safe elimination of wet-cleaning



Either type of two-bath equipment, when properly designed, permits the wash-extract-rinse sequence of two-bath operation without transfer of fabrics from one washer to another, and without interchange between the detergent bath and the rinse bath.

** NID Fellowship Bulletin F-14 presents graphs, charts and tabulations which show how Street's Conductivity Control Unit maintains uniform balance between moisture in solvent and moisture in fabrics. *For free copy of NID F-14 address*

R. R. STREET & CO., INC. 561 W. Monroe St., Chicago 6, U.S.A.

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DU PONT "PERCLENE"

PERCHLOROETHYLENE

gives you high-quality cleaning at low operating cost

Non-flammable "Perclene" perchlorethylene is a product of Du Pont research—the same research that pioneered the use of synthetic solvents for drycleaning.

"Perclene" brings out the original brightness and feel of garments without causing shrinkage or leaving odor. What's more, drycleaners find that "Perclene" produces high-quality work in a short cleaning cycle—keeps operating costs down by permitting efficient solvent recovery.

As a user of "Perclene" you can call on the best technical service available. Du Pont's Drycleaning Service Section will be glad to help you with your drycleaning problem—show you how to profit from the newest technical developments.

Call your nearest "Perclene" distributor or write to: E. I. du Pont de Nemours & Co. (Inc.)
Electrochemicals Department
Wilmington 98, Delaware

DU PONT
REG. U.S. PAT. OFF.

BETTER THINGS FOR BETTER LIVING
. . . THROUGH CHEMISTRY

PERCLENE®

PERCHLOROETHYLENE

Du Pont's Quality Solvent for Drycleaning



THIS NATIONAL CLASS 31 has eliminated hours of costly overtime at the Virginia-Carolina Laundry Supply Corporation through the profit-making information it provides.

"Our *National* System saves us $5,500 a year... pays for itself every 11 months!"

—The Virginia-Carolina Laundry Supply Corp., Richmond, Va.



MR. J. DENNIS STIARS, Supervisor of Accounting, explains at right the time-and-money saving advantages that a National System has provided for his Accounting Department.

"I speak frankly," says Mr. Stiars, "when I say that I was a little skeptical of the ability of one National Class 31 Accounting Machine, with one operator, to replace 3 operators on 3 machines we formerly used. But my skepticism was without foundation. Today, the work is being turned out faster, with less effort than ever before, and at about one third of the former cost. Our Class 31 paid for itself the first year in labor savings alone.

"Not only does our Class 31 provide more information, it also has eliminated hours of overtime and overtime charges each month. Because we have more complete information available (in many cases automatically), we have better evaluation of our inventory as well. We know which prices are too low, causing inadequate gross profits, and are assured correct inventory reporting in connection with taxes.

"At a conservative estimate, our National System saves us $5,500 a year and pays for itself every 11 months!"

Wouldn't *your* business, too, benefit from the work-time-and-money saving advantages of National Accounting Machines—such as the Class 31? You would do well to investigate the advantages *you* would gain with a National System. Because Nationals do up to ⅔ of the work automatically, they soon pay for themselves, then keep returning that saving as a handsome yearly profit. Why not call your nearby National representative today? His number is in the yellow pages of your phone book.

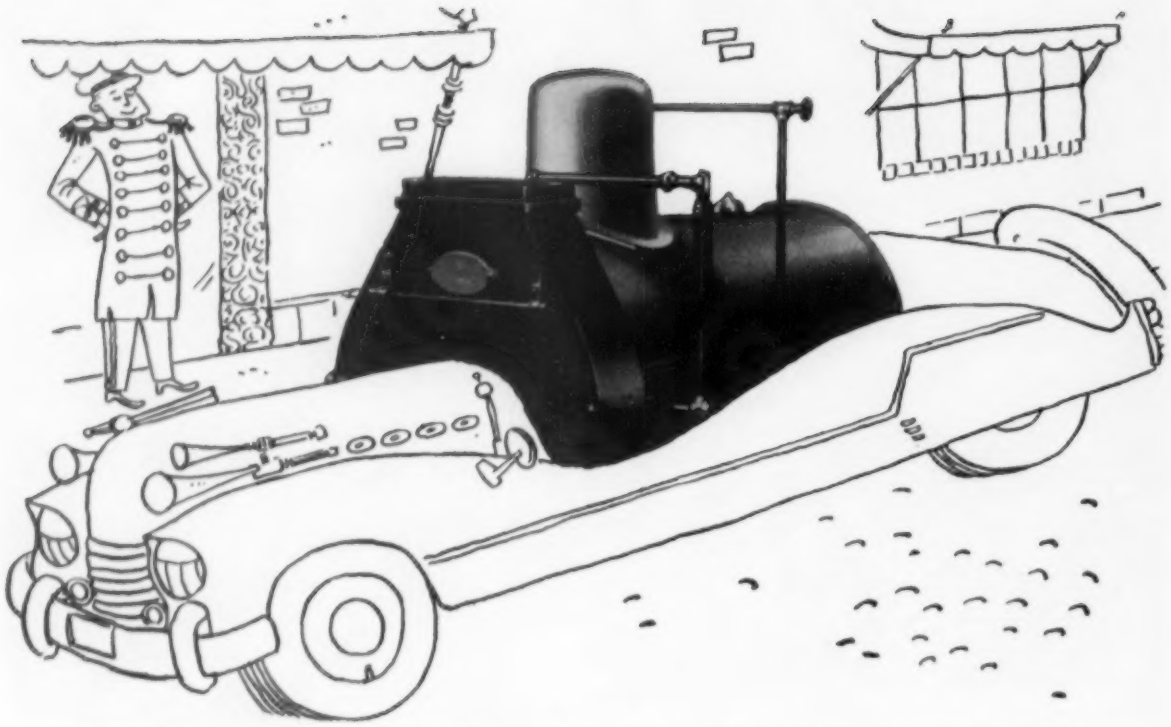
THE NATIONAL CASH REGISTER COMPANY, Dayton 9, Ohio

977 OFFICES IN 94 COUNTRIES

*TRADE MARK REG. U. S. PAT. OFF.

National

ACCOUNTING MACHINES
ADDING MACHINES • CASH REGISTERS



A Boiler is Not an Automobile

To the average automobile buyer, styling often seems as important as performance. Streamlining, gadgets, and gimmicks are used to win sales, even if efficient performance and lower operating costs must be sacrificed. Many people neither consider nor care how long a car will last; others know they will be trading on a newer model within a few years.

This is not the case with boilers. When you buy a boiler, performance and durability should guide your decision. Fancy advertising and tricky gadgets don't make or help boiler quality. You must ask: "How long will this boiler last? How much fuel will it consume? What steam will it put out for this fuel? How much will it cost for maintenance and repair? Can it be relied on for uninterrupted, trouble-free service to avoid costly shut-downs? Will it be able to deliver extra steam for peak operations, or if my business grows?"

If you conscientiously ask yourself each of these questions when considering the purchase of a boiler, we believe you can reach but one conclusion . . . that a Leffel Scotch-Type Boiler, backed by 93 years of experience, is your best investment.

The Leffel Scotch-Type Boiler design is unsurpassed for efficiency. Big, rugged Leffel boilers are obviously stronger and less prone to breakdowns than most of the undersized "package" boilers. We can show you records on many Leffel boilers which have been operating for 30 years or more with only a few dollars spent on maintenance parts.

Conservatively-rated Leffel boilers are built to deliver up to 100% more than their rated capacity, over year after year of continuous daily operation, without damage or strain to the boiler. "Package" units are often hard-pressed to reach their rated capacity under actual operating conditions even when new, with no allowance for overload or increased business or for any of the inescapable abuse to which most boilers making process steam are subjected.

It all boils down to this: In nearly a century of boiler making, we have never deviated from our concentration on building better Scotch-Type boilers. We've seen many other designs come and go as they failed to meet the high standards set by Leffel Scotch-Type boilers. The present flood of so-called "packaged" boilers — for all their gadgets, fancy trimmings and ballyhoo — can offer only a long list of promises. Leffel Scotch-Type boilers can cite case after case of long reliable service.

If you are interested in a boiler, we'd like to give you the facts on Leffel Scotch-Type boilers. Write us today, giving full details on your boiler needs. Your letter will receive prompt and helpful attention.

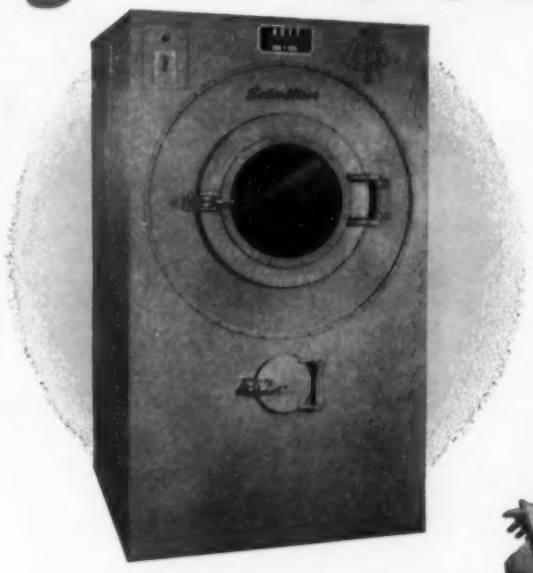
FOUNDED IN 1862

THE JAMES LEFFEL & CO.

DEPT. CD, SPRINGFIELD, OHIO, U.S.A.

MORE EFFICIENT STEAM GENERATION FOR 93 YEARS

yes THIS SOLVO-MISER IS SUPER FAST



"Nothing compares with this new Solvo-Miser"* — the pace setter in extremely fast reclamation. *It cuts reclaiming cycle up to 50%.* It combines all the timesaving features discovered by today's extensive research. It keeps pace with the cycle of *any* drycleaning machine on the market!



It's a labor saver, too!
—See these PLUS features:



Automatic Control Saves Operator Time
Set the timer and forget it. Drying and reclaiming cycle automatically completed, machine shut off, and operator notified. Permits faster rescheduling.



Lint Trap Cleaned in 45 Seconds
Keeps your Solvo-Miser clean—a *must* for fast, efficient reclamation and low maintenance.



Condenser Coil Cleaned Without Removal
Rarely needs cleaning because convenience and speed of Lint Trap makes operation almost lint-free.

Ask our distributor in your territory.

**Statement by nationally prominent executive in cleaning industry (name on request).*

HOYT Solvo-Miser

HOYT MANUFACTURING CORPORATION • WESTPORT, MASSACHUSETTS

LETTERS to the EDITOR

Construction Queries

To the Editor:

We received notice that your "Annual" will feature "Construction and Remodeling." We certainly wish we had some of that information right now since our architect is preparing plans for an elaborate "Drive-Through" branch store.

If you have anything in this line now that would be helpful to us we would appreciate receiving it.

ERLE A. HANSON
Gough-Lamb Cleaners
Middletown, Ohio

To the Editor:

I have a problem on which I would like any suggestions that might help me solve it. We have always had trouble with our windows steaming up. We are now in the process of building a new drive-in plant with an all-glass front, and we don't want to have to partition it off to keep the windows dry, as we want our customers to see our equipment and the operation.

Also, any other suggestions you may have that will help in the improvement of our new plant will be greatly appreciated. Our plant size will be 32 by 70 feet.

ROBERT L. LEHMAN
Springfield, Ohio *Lehman & Sons*

To the Editor:

We are planning on moving to another location in the very near future and plan to increase our services to include a drive-in service and a shirt laundry service. I wonder if it would be possible to secure a copy of your guidebook entitled "Drycleaners' Guide to Construction and Remodeling."

Also, I have been informed that if I were to send you a copy of our floor plan with a list of the machinery we will put in it you will give us your viewpoint as to the best possible location of this machinery with reference to efficiency of operation and so forth. I expect to pay for this but will you advise if there is such a service available.

THERON P. STIMSON
Laramie, Wyoming *Rex Cleaners*

To the Editor:

I was reading of your "Guide to Construction and Remodeling" and I was wondering if it would be possible to get a copy of this guide very soon. I am thinking of building a new plant and I am sure I could find some interesting ideas in your book.

ANGELO MAIELLARO
Auburn, N. Y. *De Luxe Dry Cleaners*

We hope our inquiring readers will find the answers to their queries in this issue.—EDITOR

Misused Trade Mark

To the Editor:

You will note on page 44 of your April edition, you have reproduced the counter card used by Prosperity Stores in publicizing their Cotton Clinic.

For your information this is a misuse of a trade mark owned by Emery Industries, Inc. This mark is registered with the United States Patent Office in Washington and has been for several years. The right to use it belongs exclusively to Sanitone Dry Cleaners everywhere.

I would appreciate your publishing this information wherever you please, probably in your "Letters to the Editor" column.

L. E. FRANCIS
Advertising Manager
Emery Industries, Inc.
Cincinnati, Ohio

Lint-Removal Tanks

To the Editor:

Can you tell us where we can procure information regarding lint-removal roof tanks pictured on page 28 in the March issue of your magazine? We are very much interested.

RICHARD BRAFF
Braff Tailors & Cleaners
Greenfield, Mass.

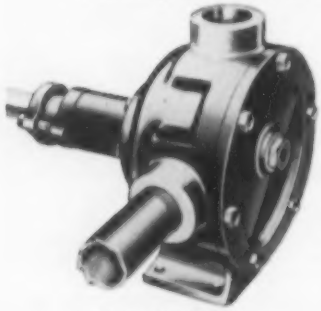
We suggest you write Herman Mathis, Virginia Cleaners, Berkeley, Calif.
—EDITOR

START SAVING NOW



install the
"VIKING RE-NU-IT"
dry cleaner's pump
(with easy snap-out liner)

break your lines once to install this NEW pump...



20, 35, 50 GPM sizes

. . . then you are assured of improved pump operation and prolonged life. Pump is equipped with steel liner and carbon graphite bearings requiring *NO* lubrication. Extra long stuffing box prevents leakage.

In addition to this prolonged service, you are now able to make your pump new again without breaking your pipe connections. Install the Viking Re-Nu-It kit in only a fraction of the time and no special tools are needed. No piping changed or base disturbed. You have *new pump* operation this easy and simple way. For complete information, ask for bulletin A200Q today.

VIKING Pump Company
Cedar Falls, Iowa

Super AUTOMATIC

Adjusta-Form

MODEL P-2

with Gravity Actuated Shutter



Machine steams while operator presses

STEAMING is *idle time* for the operator

1. AUTOMATICALLY production is increased. The operator is free to touch up as soon as the steam is turned on.
2. AUTOMATICALLY quality is increased. The amount of steam is positively controlled. Over-steaming is eliminated.
3. Only the Adjusta-Form with patented former controls offers Top Production PLUS Top Quality.



PILLOWS

CLEANED · FLUFFED · DEODORIZED in 2 MINUTES

Pil-O-Bar

Clean and renovate pillows without using heat and water. The tick is opened and the feathers are poured into the hopper. High speed impellers feed the feathers into the wheel. Here, the feathers are further fluffed and dust is removed. Ozone and ultra-violet rays make them sweet smelling and clean. Feathers are drawn by vacuum into a new tick. Each pillow is processed separately and individually and at all times, feathers remain under perfect control.

95% REDUCTION IN BACTERIA COUNT

WICHITA PRECISION TOOL CO., INC.

450 N. Seneca Wichita, Kansas

In Kansas City*

68% of customer complaints



**These results were obtained by an independent research survey in Kansas City in January, 1955.*

cite poor cleaning quality



You might be startled to know how many customers *don't* like the cleaning they're getting. Here's what a recent survey found about customers' attitudes in Kansas City.

More than half switched cleaners in 1954.

68% of the complaints were traceable to poor cleaning . . . odors, drab colors, shrinkage, spots, graying. Pressing, service and price weren't nearly as important.

Losing a customer means losing $116 in business yearly . . . the average amount Kansas City housewives reported as their cleaning bill.

Don't Lose Your Customers—Use DARCO® DC Daily

Regular solvent purification with DARCO activated carbon keeps your bath in top condition . . . prevents spoiled loads that can cause complaints and losses for damaged garments . . . eliminates graying caused by bleeding dyes.

Darco is economical . . . takes out bleeding dyes, fatty acids and odors in one sweep, more efficiently than any other solvent purifying agent available to dry cleaners. This economical "customer insurance" costs only two-tenths of a cent per dress, or one-third of a cent per suit!

Order Darco today from your distributor. Use it daily in the dosage recommended for your system. You'll keep your customers happy, and you'll build a reputation for high-quality, economical cleaning.

DARCO

DARCO DC IS MANUFACTURED BY

ATLAS POWDER COMPANY, Wilmington 99, Delaware

Atlas Powder Company, Canada, Ltd., Brantford, Canada



Most Modern Panel You Can Buy!

Nimble like you want. Rugged like you need. Thrifty like no other. Totally new, with a truck-load of advance features that again make Chevrolet your best buy.

New High-Voltage Engines. Chevrolet's new Task-Force engines are all sparked by a new 12-volt electrical system. And what a difference this big extra size makes!

You'll notice it the first time you turn the key. For now you get those sure, quick, economical starts—even on the coldest days! Next you'll feel the big new wallop of action you get in every mile you go. Chevrolet's new high-voltage power goes to work the instant your foot gives the command to the throttle!

You'll agree there's nothing like it, especially when you see how much on-the-go economy there is in these new engines. For when you put High-Voltage and High-Compression together, as Chevrolet does this year, you've got the savingest engines in the stop-and-go field. And with New Overdrive* or no-shift Truck Hydra-Matic*, you'll save even more time and money.

On and on—completely new. Chevrolet even puts styling to work for you! So distinctive that it becomes a profitable advertisement-on-wheels for you and your business.

Driver and load get a far easier ride over all roads with Chevrolet's new front and rear suspension systems. A safer ride too, with the blow-out protection of Tubeless Tires on half-ton models at no extra cost.

Frames are new, more rigid, with ladder-type construction and full-length parallel side members. There's new High-Level ventilation for better air circulation in all kinds of weather; new linkage-type Power Steering* for added driving ease and safety; new Power Brakes* that stop with up to one-third less pedal pressure.

Don't stop here. The rest of the "all-new" story is equally great. So see your Chevrolet dealer. Be sure to ask about his trade-in deal too. Makes good listening for buying today. . . . Chevrolet Division of General Motors, Detroit 2, Michigan.

**Optional at extra cost. Overdrive available on ½-ton models; Truck Hydra-Matic on ½-, ¾-, and 1-ton models; Power Brakes standard on 2-ton models, optional on all others. Power Steering available on all except Forward-Control models.*

NEW CHEVROLET CHEVROLET *Task-Force* TRUCKS

UNIPRESS

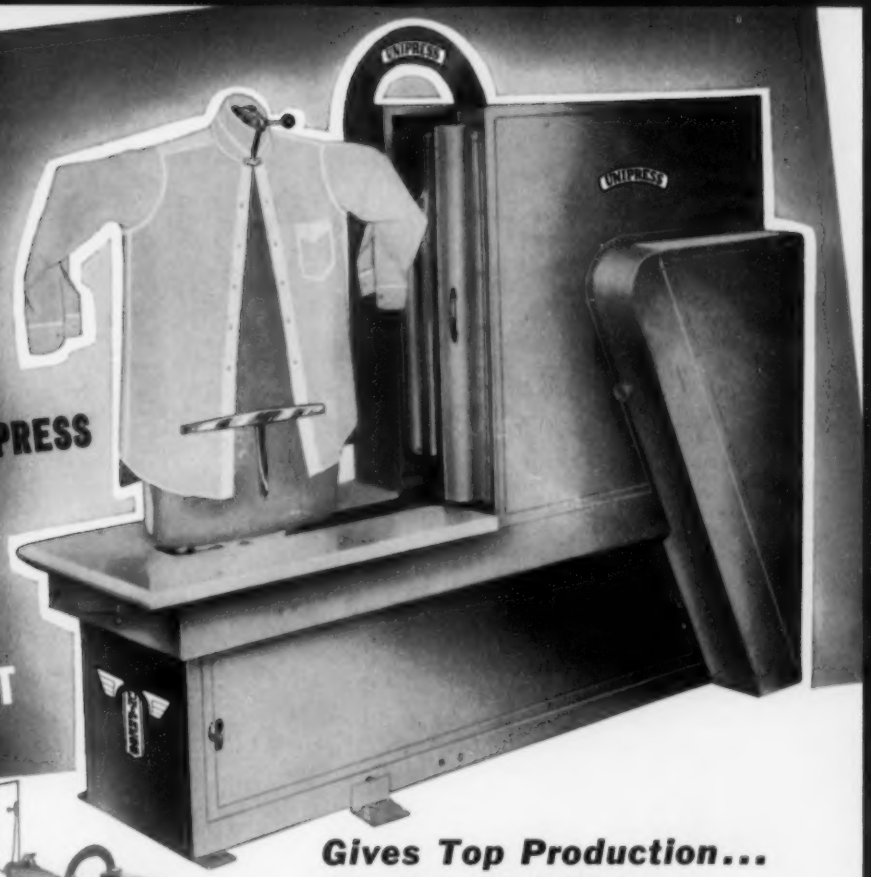
PROUDLY PRESENTS THE NEW

Glide-O-Matic

ONE LAY BOSOM AND BODY PRESS

FEATURED IN THE

2 OR 3 GIRL GLIDE-O-MATIC SHIRT FINISHING UNIT





UNIPRESS
2 OR 3 GIRL GLIDE-O-MATIC SHIRT FINISHING UNIT

Designed for balanced and rhythmic operation, the UNIPRESS 2 OR 3 GIRL GLIDE-O-MATIC SHIRT FINISHING UNIT saves floor space, cuts operator fatigue and sets quality shirt finishing records.

Gives Top Production... Quality Finishing... Outstanding Performance ...Automatically!

The famous Unipress skilled engineering and expert craftsmanship have developed the amazing new UNIPRESS GLIDE-O-MATIC ONE LAY BOSOM AND BODY PRESS. Its simplicity of design and ease of operation makes it possible for you to enjoy new economy and shirt finishing production records.

Just one simple, speedy lay and both bosom and body of shirts are beautifully finished . . . automatically! Operator merely lays shirt over form and engages safety control. When completed, the form automatically returns to original position where the neck clamp and tail clamp automatically release for speedy removal of shirt.

The new UNIPRESS 2 OR 3 GIRL GLIDE-O-MATIC SHIRT FINISHING UNIT is tested and proven to produce quality finished shirts in seconds rather than minutes.

For the finest in shirt finishing on the world's fastest shirt presses, contact your nearest UNIPRESS distributor at once about the new UNIPRESS 2 OR 3 GIRL GLIDE-O-MATIC SHIRT FINISHING UNIT featuring the new GLIDE-O-MATIC ONE LAY BOSOM AND BODY PRESS.

EXCELS IN QUALITY AND PRODUCTION

FINER FINISHING FASTER WITH...

THE UNIPRESS COMPANY

MINNEAPOLIS 8, MINNESOTA

THE UNIPRESS COMPANY
2814 Lyndale Avenue South, Minneapolis 8, Minnesota

Please rush floor plans and complete information on:

_____ GLIDE-O-MATIC BOSOM AND BODY PRESS
_____ 2 OR 3 GIRL GLIDE-O-MATIC SHIRT FINISHING UNIT

Name _____
Firm _____
Address _____
City _____ Zone ____ State _____

SIGNS of the TIMES

File of Drycleaners' Marks: The Maryland State Police Investigation and Identification Division has added a file of drycleaning and laundering marks to its services. Since Maryland has one of the world's largest seaports, the State Police decided to include invisible markings from all 48 states, South America and many foreign countries.

Plants that haven't yet done so are requested to send their identification marks to Captain George Davidson, Investigation and Identification Division, Maryland State Police, Pikesville, Md.

# #

BBB Inquiries in '54: Inquiries and complaints handled by Better Business Bureaus in the United States and Canada reached a new high of 2,005,288 in 1954, and the number of advertisements requiring investigation and action reached a new post-World War II low, according to Victor H. Nyborg, president of the Association of Better Business Bureaus.

There were 46,964 inquiries and complaints about drycleaning, or 2.3 percent of the total. Drycleaning dropped from eleventh to twelfth place among the top classifications.

# #

Comparison of Drycleaning Spending: A comparison of per capita spending on drycleaning and laundering in the United States and Canada has been published by the Canadian Institute of Launderers and Cleaners.

The United States with a population of 161,969,000 spent $6.98 on drycleaning and $5.54 on laundering per capita in 1953. Canada, with a population of 14,781,000 spent $4.40 on drycleaning and $3.28 on laundering per capita, according to the CRI's figures.

# #

Canadian Labeling Rules: The Canadian government will soon launch its third set of regulations on apparel labels; these rules will cover fiber labeling. The regulations do not make labeling compulsory but set down certain rules where labels are used.

The movement toward better labeling was given another push forward at a meeting of the Niagara District Division of the Dry Cleaners Institute of Ontario. Representatives of the Canadian Association of Consumers presented the consumer's viewpoint and suggested how manufacturers and store personnel could cooperate.

# #



Celebrating its tenth anniversary in March, the Dry Cleaners Guild of Cleveland elected the following new officers (left to right in photo): Carl Kergaard, Kergaard Cleaners, first vice-president; Ted Golan, Auburn Cleaners, treasurer; Sidney Paston, Excelsior Cleaners, president; Paul Meldon, D. O. Summers Co., second vice-president. Lucile H. Seidman is executive secretary of the organization.

Match Book Ad Contest: An awards competition for the best match books of the year, covering each of 46 industries, has been announced by the Match Industry Information Bureau, 500 Fifth Ave., New York 36, N. Y. An award will be made for the best match book by a drycleaner and laundry in recognition of the widespread use of match books for advertising by these industries.

Entry forms are available from the Match Industry Information Bureau. A bronze plaque will be awarded for the entry adjudged best from the standpoint of selling copy, art work and typography.

# #

Management Aid on Records: "How Good Records Aid Income Tax Reporting," No. 61 in the series of Management Aids for Small Manufacturers published by the Small Business Administration, is applicable to the service industries. The aid is intended to highlight the necessity for keeping good clear records both for general management and income tax purposes.

Some of the points covered in the leaflet are: why you need good records; checkpoints on records keeping; keeping accounting practices up to date; tax withholding records; unusual expenses and sources of help.

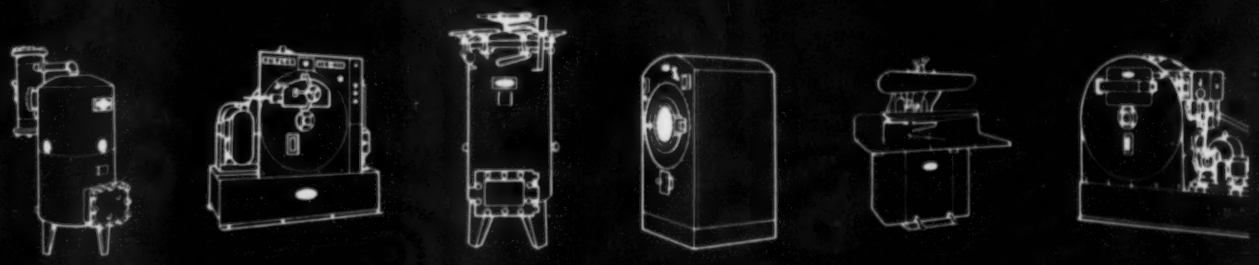
Copies of the aid can be obtained from field offices of either the Small Business Administration or the U. S. Department of Commerce, or by writing to the Small Business Administration, Washington 25, D. C.

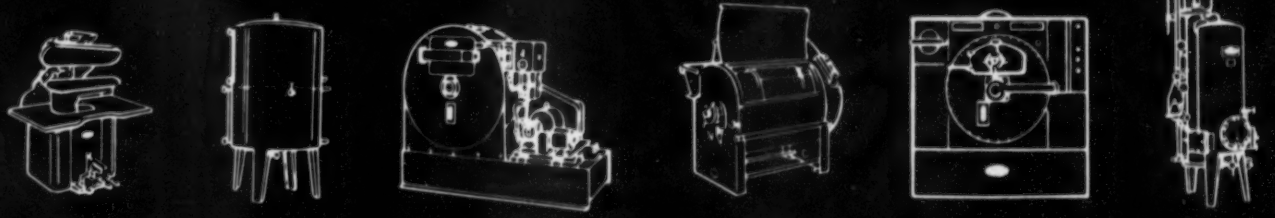
# #

Public Service: On April 11 the South Texas Cleaners & Dyers Association, Inc., San Antonio, held its annual banquet for the boys and staff of Boysville. More than 100 people from Boysville attended, about 20 from the association and guests from the allied trades.

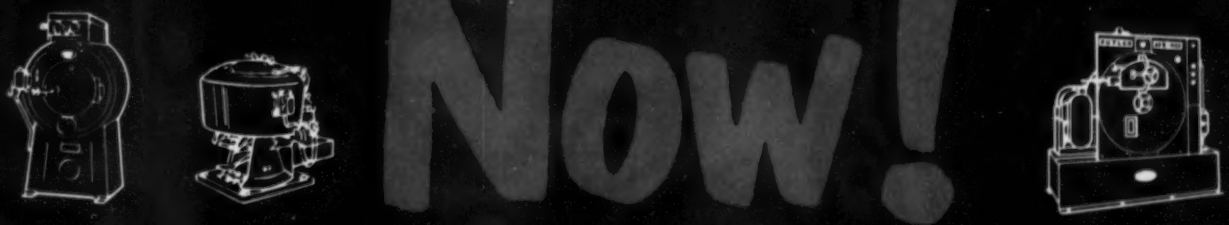
South Fulton Cleaners, Fulton, Ky., has made it a policy, since its opening in 1948, to clean flags and to clean and press uniforms for all servicemen at no charge.

(*Continued on page 23*)



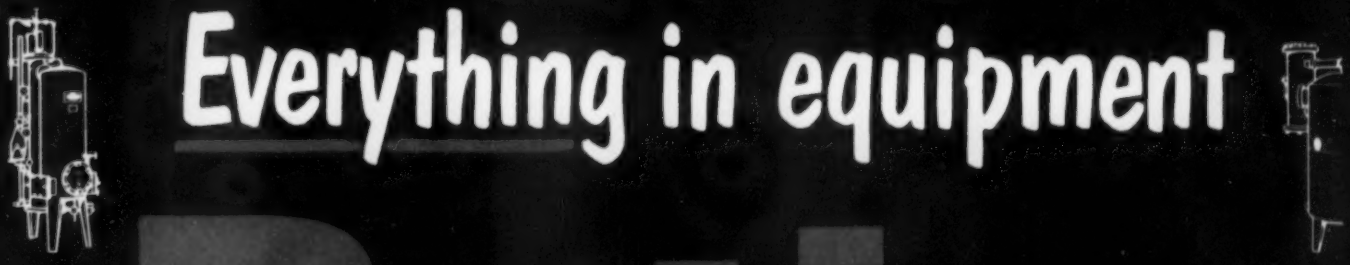


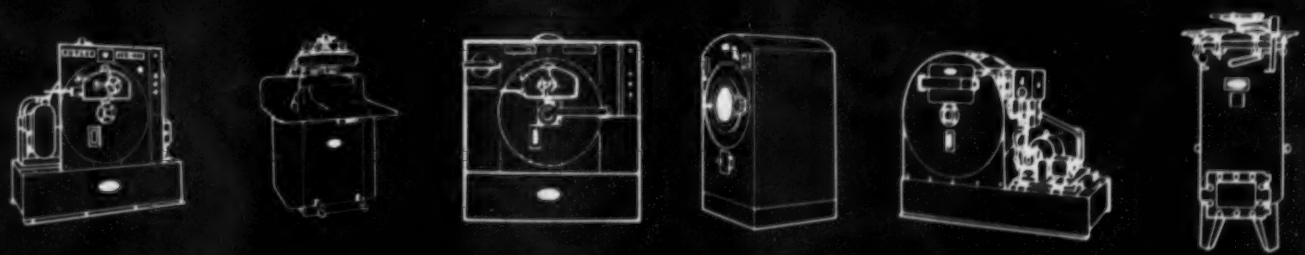
Now!



Everything in equipment

Butler



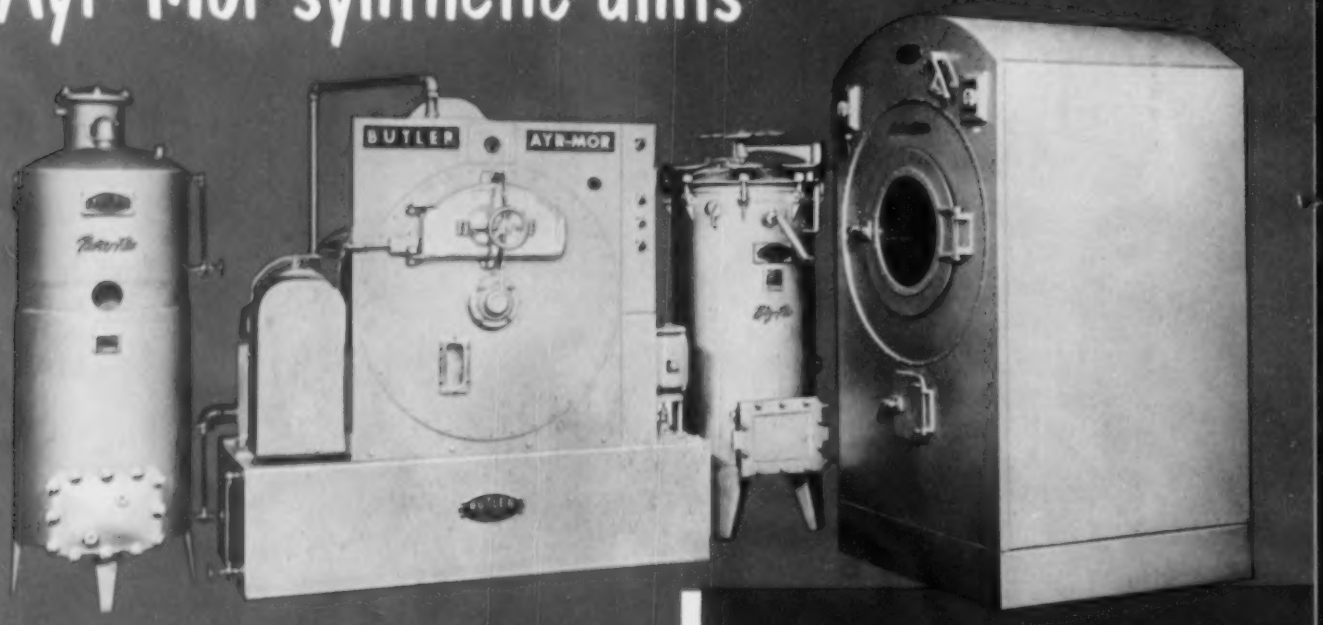


Cut Costs · Improve Quality · Speed Service · Build Business

BUILD MORE BUSINESS,

cut labor costs with BUTLER

Ayr-Mor synthetic units



A girl can operate a fully automatic Butler Ayr-Mor synthetic unit and spend two-thirds of her time doing spotting. This combination of cleaning and spotting usually eliminates one worker.

Just load and set. Butler Ayr-Mor washes, extracts, rinses and again extracts—all with no operator attention. Handles 120 to 150 pounds per hour—$2,400 to $3,000 per week at a dollar base price. Fast cleaning lets you promote 2-hour and same-day service—builds volume.

Butler Ayr-Mor cylinder construction provides the correct mechanical action needed to get the most out of perc's extraordinary cleaning power. When combined with the charged system, it results in maximum cleaning efficiency, attracts and holds discriminating customers.



Perc must penetrate deeply and circulate completely through clothes for best cleaning results. Butler Ayr-Mor divided-pocket cylinder (above) assures this action. Clothes are gently dipped into solvent, and lifted completely out of solvent.



Clothes in old-fashioned open-pocket cylinder (above) tumble and roll on rinsing side, can't get necessary deep solvent penetration.



Butler Quik-Steam® Air Press



Butler Quik-Steam® Mushroom Press



Butler Quik-Steam® Manual Press

FINISH MORE GARMENTS

easier, faster with BUTLER

Air & Manual Presses!

BUTLER Quik-Steam® Air Press

Your pressers can easily increase production 15 to 25% and keep up a consistent pace all day with the Butler Air Press. There's no fatigue. Air does the work. The result is faster, easier operation, better performance, and longer life.

Look at some of the features: table-level operating bar; ball bearings for smooth, easy operation; head release combined with vacuum for speed; adjustable air regulators for controlling head speed to suit any operator; hardwood table with curved backboard. These features make it the king of presses—and at a price you can afford! Butler Quik-Steam® air presses are available in 18″, 40″ and 45″ sizes.

BUTLER Quik-Steam® Manual Press

Light-touch pull-down and lightning-fast return of the Butler Quik-Steam manual press permit operator to do more work with less fatigue. Head operates so lightly that the weight of a loaf of bread will start it down. Contrast this with the 8 to 10-pound pull-down required by many other makes! No wonder operators work faster, stay fresh longer, do better work with a Butler Quik-Steam press.

Greased-for-life ball bearings, low foot pedal, roller lock, hardwood table—all these make the Butler Quik-Steam press a favorite with pressers everywhere! Butler Quik-Steam manual presses are available in 18″, 40″ and 45″ sizes.

BUTLER

Our 54th year

ENJOY EASY CLEAN-OUT,

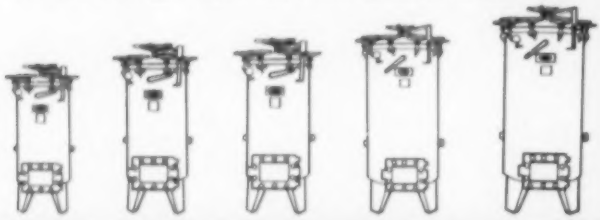
avoid pressure build-up with BUTLER

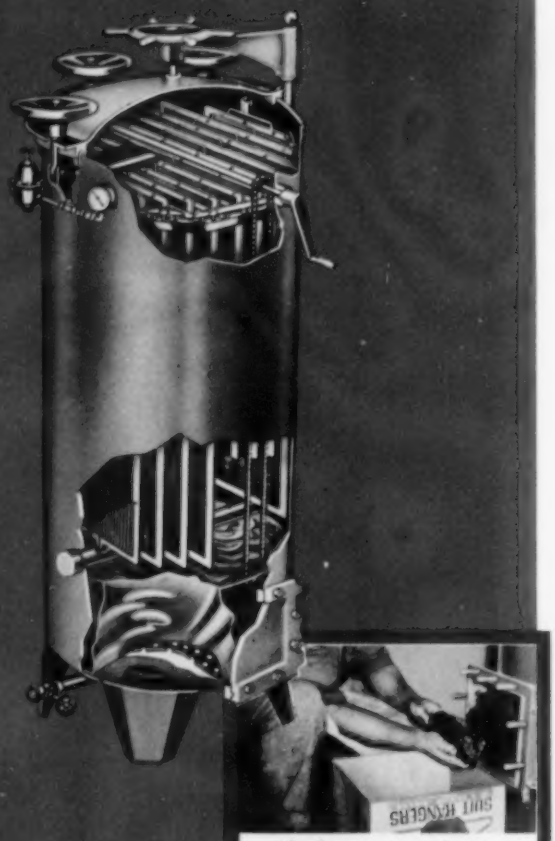
Big-Flo® Filter...

Here's the kind of filter you need to get top cleaning results! The Butler Big-Flo® filter, with mechanical, 20-second scrape-down. Free-flowing, non-clogging, self-cleaning Monel Metal filter screens keep filter pressure down. With the increased cleaning power of strong soap, big capacity filtration is a MUST. Only pure, clean solvent gets to the clothes.

Big-Flo Monel Metal screens with corrugated divider plates present a smooth surface for quick, easy, solvent get-away. Solvent flows freely to insure maximum cleaning efficiency. Steam cleaning or boiling of screens is seldom required. Many owners report operating 4 and 5 years without removing the cover. No filter bags to change.

Butler Big-Flo filters are available in 1000, 1300, 2000, 3200, 5000 and 8000-gph capacities, either synthetic or petroleum.





Air cleanout in Butler Big-Flo filter makes a quick, easy job of muck removal. Air is forced through the muck, recovering many gallons of solvent. Powder is left dry, is easily removed. No waste, no mess, no lost time.

ELIMINATE D.O.

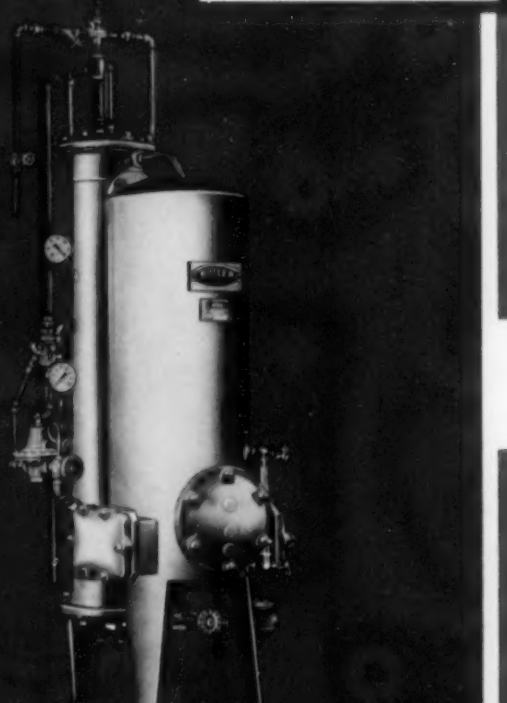
(DRYCLEANED ODOR)

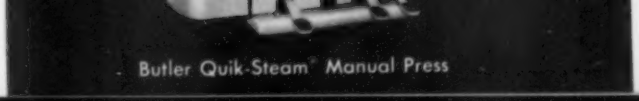
with BUTLER

Pure-Flo® Still

Nothing loses customers faster than freshly dry-cleaned garments that smell. This can't happen with Butler Pure-Flo® still. It distills the smell right out of dirty solvent, reduces spotting and wet cleaning. Automatic controls do the work. No attention required. Close boil-down assures nearly 100 per cent solvent recovery. Vertical pre-heater tubes are self-draining, never clog up, never need replacing. Available in 25, 50, 75, 125, 200, 300 and 600-gph capacities for petroleum solvent, 50 gph for synthetic solvent.







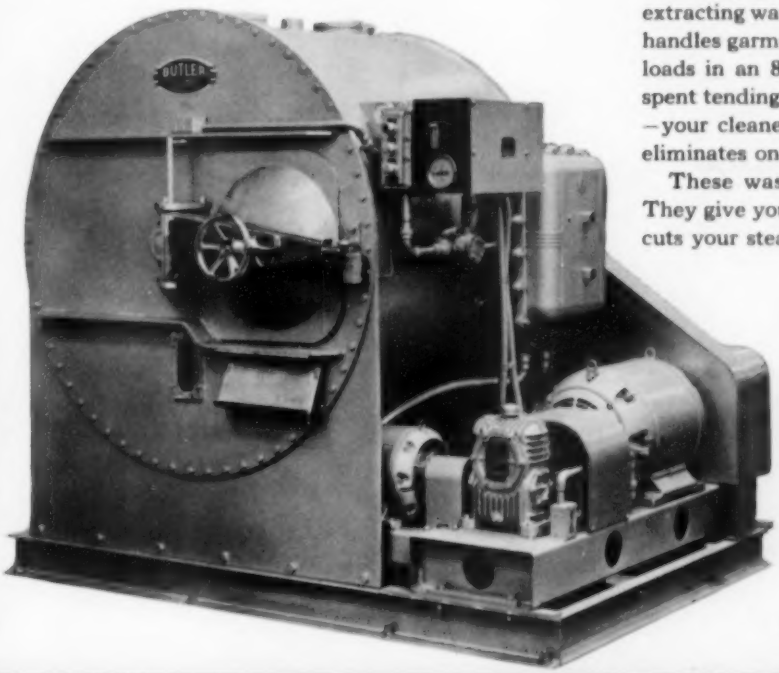
Butler Quik-Steam® Manual Press

Our 54th year

CUT LABOR COSTS,

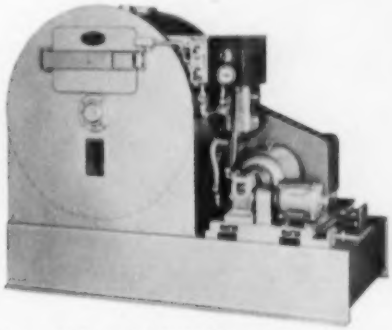
run 12 loads in 8 hours with BUTLER

Extracting Washers



You can pay for a Butler 60-lb. or 120-lb., 2-bath extracting washer in labor saving alone! Operator handles garments just twice per cycle, can run 12 loads in an 8-hour day. Only one-third of time spent tending machine. Strong soap cuts spotting—your cleaner can handle spotting, too. Usually eliminates one worker.

These washers are compact, vibration-free. They give you faster, more efficient cleaning that cuts your steam and electric bills.



Above: 60-lb. unit; left: 120-lb. unit.



ler Big-
quick,
emoval.
gh the
ny gal-
wder is
moved.
no lost

Honest ratings insure top quality at the capacity you pay for

Highest-quality cleaning is assured by a capacity rating based on realistic 3.3 lbs. of load per cubic foot in the 60-lb. unit, 3.2 lbs. per cubic foot in the 120-lb. unit—compared to ratings based on as much as 4.5 lbs. in many makes. Capacity claims based on high poundage per cubic foot are misleading.

They look good on paper, but result in poor cleaning at capacity! Butler ratings insure not only a proper distribution of garments where solvent can get at them, but a sufficient proportion of solvent to clothes—even at capacity loads. You can promote, produce top-quality cleaning.

BUTLER

Our 54th year

Manufacturers of Oil Equipment • Steel Buildings • Farm Equipment • Dry Cleaners Equipment • Special Products

Factories located at Kansas City, Mo. • Galesburg, Ill. • Richmond, Calif. • Birmingham, Ala. • Houston, Texas • Minneapolis, Minn.

You can get colorful, informative circulars on Butler dry cleaners equipment by simply clipping coupon at right and checking the equipment you want to know more about.

Mail it Today!

BUTLER MANUFACTURING COMPANY
7452 East 13th Street, Kansas City 26, Missouri

☐ Ayr-Mor Circular ☐ Extracting Washer ☐ Manual Press ☐ Air Press Circular ☐ Filter Circular ☐ Still Circular

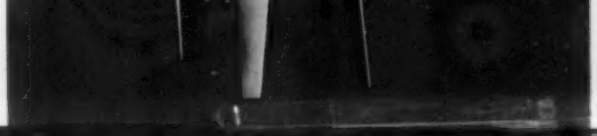
Please send me the circulars checked above.

Name _____

Firm _____

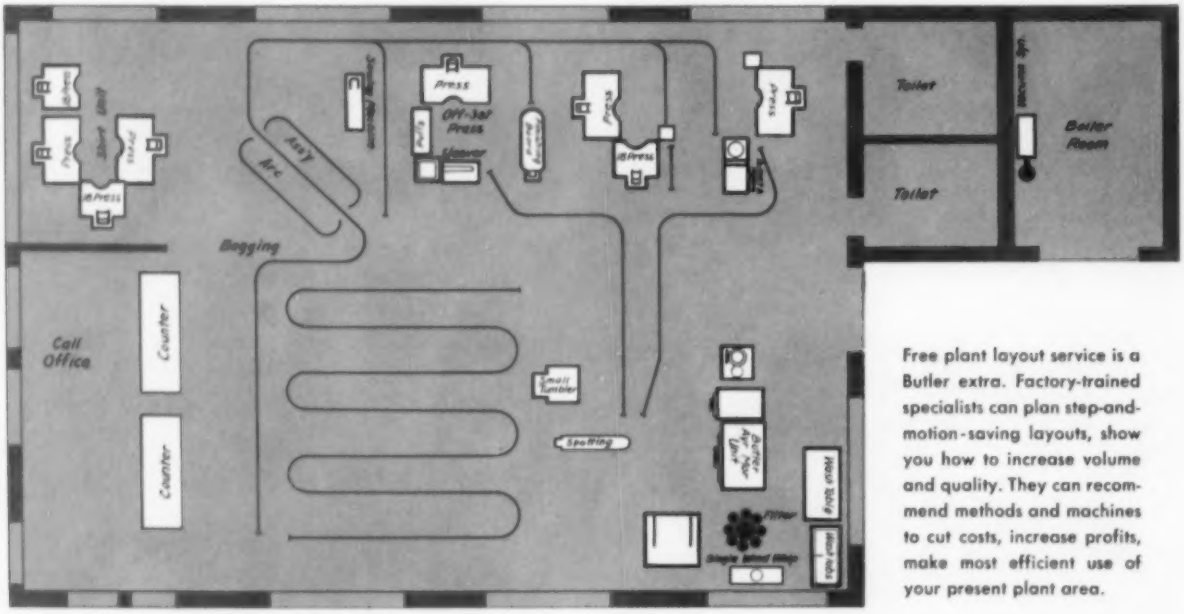
Address _____ Phone _____





EXTRA SERVICE ALL THE WAY

from plant layout to products– are yours with BUTLER



Free plant layout service is a Butler extra. Factory-trained specialists can plan step-and-motion-saving layouts, show you how to increase volume and quality. They can recommend methods and machines to cut costs, increase profits, make most efficient use of your present plant area.

You get all four from

ONE GREAT SOURCE



FACTORIES LOCATED AT

Kansas City, Mo. • Minneapolis, Minn.
Galesburg, Ill. • Richmond, Calif.
Birmingham, Ala. • Houston, Tex.

1. EVERYTHING IN EQUIPMENT
2. NATIONWIDE SERVICE
3. CONVENIENT FINANCING
4. PLANT LAYOUT SERVICE

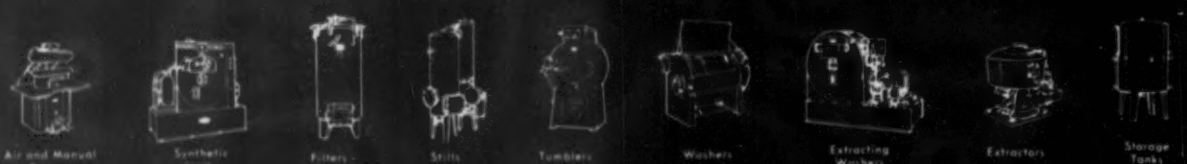
Mail coupon inside for full information

BUTLER
Our 54th year

BUTLER MANUFACTURING COMPANY

7452 East 13th Street, Kansas City 26, Missouri

Manufacturers of Oil Equipment · Steel Buildings · Farm Equipment · Dry Cleaners Equipment · Special Products



Mail it Today!

Firm

Address Phone

City Zone State

Form No. 1358—5-55 Printed in U.S.A.

SIGNS OF THE TIMES

(*Continued from page 16*)

During April, the following laundries and drycleaners in London and St. Thomas, Ontario, Canada, provided free pickup service for clothes destined for Korea: Dutch Laundry and Dry Cleaners, Ltd., Alladin Cleaners, Fairmont Cleaners, French Cleaners Ltd., United Service Stores, Jackson Cleaners, Jarmain's, Lambeth Cleaners, Ontario Cleaners, Parisian Laundry and Dry Cleaners Corporation Ltd., Ideal Laundry and Dry Cleaners, Sun Ray Dyers and Cleaners, Texmain Cleaners, Traher's Dry Cleaning Service, McNamara Swan Cleaners, Orr Cleaners and Faulds Cleaners, all of London. Towers Cleaners and Faulds Cleaners of St. Thomas also cooperated in the plan.

Sid Tennant, Mt. Gilead, Ohio, drycleaner, has been elected to the post of Junior Deputy District Governor of District 13-E of Lions International. This district covers northern Ohio.

For the second successive year, it is announced, chairmanship of the Cleaners, Dyers and Launderers Group in the 1955 Jewish Federation Welfare Fund campaign of St. Louis has been assigned to Morris Lazaroff, partner in Clean Coverall Supply Company.

For the fifth successive year, Theodore Kristal is among the leaders of the Cleaners, Dyers and Launderers Group in the 1955 Jewish Federation Welfare Fund Campaign of St. Louis. Mr. Kristal, who is a co-chairman, is president of Hampton Village Cleaners.

In a recent drive for blood donors, Albert Kievman, proprietor of a Naugatuck, Conn., drycleaning establishment, gave a certificate good for one dress or suit cleaning to every donor.

Ramon O. Western, owner of Western Cleaners, Bowie, Tex., has been elected a commander of the Veterans of Foreign Wars.

# #

Cooperative Display: When the Rocky Mount, N. C., Chamber of Commerce staged a five-day Better Living Exposition, four local laundries—Sunshine, Bishop, Quality and Rocky Mount — got together and manned a booth that showed modern drycleaning and laundering methods and machinery.

It is estimated that between 20,000 and 25,000 people visited the exposition.

# #

Report on Accidents: Human behavior is responsible for 70 to 80 percent of industrial accidents, according to a report published by New York University's Center for Safety Education.

The study, entitled "The Human Element and Industrial Accident Prevention," indicates that such factors as personality characteristics, adjustment to a new job, rejection by coworkers, excessive fatigue, low morale, a tendency to be overly critical of the job and lack of promotions rank high among accident causes.

Further information about the report can be obtained from the Center for Safety Education, Division of General Education, New York University, 6 Washington Square North, New York 3, N. Y.





Feeling Competitive



"The Best Possible Equipment at the Lowest Possible Price"

It is estimated that between 20,000

PRESSURE ?

HOW HAMMOND CAN HELP SOLVE COMPETITIVE PRESSURE

If you are trying to meet today's competition with worn out, obsolete equipment, you're fighting a losing battle! You can solve competitive pressure quickly with new Hammond Laundry & Drycleaning equipment. New Hammond automatic equipment allows you to "cut corners" on labor, supplies, maintenance and time!

Every piece of Hammond equipment is constructed of high quality stainless steel for many years of consistent service at **minimum maintenance cost!**

You can enjoy the profits and performance of new Hammond equipment in your plant easier than you think. Write your nearest Hammond Distributor today or contact Hammond factory direct. It's better for you to have Hammond equipment than your competition!

Every piece of Hammond Equipment is backed by half a century of experience.



Hammond
LAUNDRY-CLEANING MACHINERY CO.
HAMMOND BUILDING • WACO, TEXAS

Please send all available information on HAMMOND Automatic Laundry Equipment.

NAME_____

FIRM_____

ADDRESS_____

CITY_____ ZONE____ STATE_____

HAMMOND LAUNDRY CLEANING-MACHINERY CO.
HAMMOND BLDG. WACO, TEXAS

Resillo

PERFEX

MONEL-MESH

dry cleaning

PRESS PADS

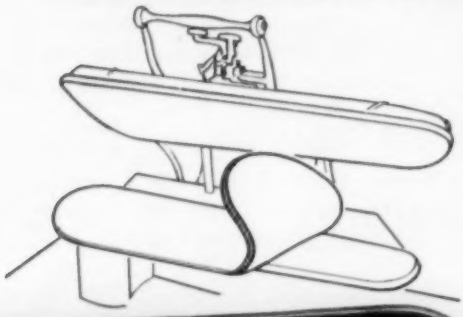
. . . the perfect Press Pad

for your dry cleaning presses



PERFEX **combines all the important features necessary for maximum efficiency on your dry cleaning presses. This remarkable pad will pay for itself by the savings in time, labor, material and equipment.**

For All Dry Cleaning and Garment Manufacturer's Presses





Made with rust-resistant monel-mesh —will not harden or pack down.

SAVES PRECIOUS MANPOWER HOURS — Eliminates frequent, costly pad changes — due to its long life and dependable service.

PRODUCES QUALITY PRESSING — ELIMINATES SHINE — Constant resiliency permits smoother, more uniform pressing.

CUTS DOWN BUTTON BREAKAGE—The soft cushioning action incorporated in the construction of the **PERFEX** reduces button breakage and replacement costs.

INCREASE PRODUCTION — Open weave, porous construction permits faster passage of steam.

ASSURES TROUBLE-FREE SERVICE — PERFEX requires no "looking after" . . . helps maintain high production schedules.

IS GUARANTEED—The **PERFEX** Dry Cleaning Press Pad carries the usual RESILLO Guarantee.

Especially recommended for high production cleaning plants . . . for clothing manufacturing plants.

Resillo **WORLD'S LARGEST EXCLUSIVE MANUFACTURERS OF METAL PRESS PADS**

RESILLO COMPANY · 2328 WEST NELSON STREET · CHICAGO 18, ILLINOIS

Buy and $ave the $han-ell way

"SHEER MAGIC"

Concentrated Dry Size

An easy-to-use and highly effective sizing that restores original body and crispness to cottons and silks. A plasticized resinous compound, "SHEER MAGIC" makes finishing easier . . . assures freedom from streaks and breaks. Works equally well in the cleaning cycle or in dip bath. Costs about 4/10th of a cent per garment.

$3.00 per gal. in 55-gal. drums **$3.25** per gal. in 30-gal. drums **$3.50** per gal. in 5-gal. pails

"GOLDEN FLEECE"

White Charge Soap

A 100% synthetic blend of detergent, emulsifier and fabric conditioners that does a better job than old-fashioned mahogany soaps. Affords excellent color and fatty acid control, high detergency, removal of water-soluble stains . . . in less washing time and with lower charge concentrations.

$2.60 per gal. in 55-gal. drums **$2.85** per gal. in 30-gal. drums **$3.10** per gal. in 5-gal. pails



"MIXST MASTER"

Emulsifier and Water-Carrier

The most efficient and economical product of its kind on the market. Completely synthetic and free of fatty acid. Use 2 qts. "MIXST MASTER" to 25 gals. solvent and 25 gals. water.

$3.85 per gal. in 55-gal. drums **$4.10** per gal. in 30-gal. drums **$4.35** per gal. in 5-gal. pails

"WEB FOOT"

Concentrated Water Repellent

A stable liquid preparation that provides an extremely effective moisture barrier to rainwear and other outer garment. Easy to apply, in the wheel or as a dip bath, and low in cost.

$2.10 per gal. in 55-gal. drums **$2.35** per gal. in 30-gal. drums **$2.60** per gal. in 5-gal. pails

"MOTH CHASER"

Concentrated Moth Repellent

Used in only ½% concentration this combination of methylated naphthalenes, Dichloro Di Phenyl, Tri Chloro-ethane and petroleum distillates imparts maximum moth protection to garments at minimum cost.

$3.00 per gal. in 55-gal. drums **$3.25** per gal. in 30-gal. drums **$3.50** per gal. in 5-gal. pails

Now you can buy top-quality dry-cleaning supplies—used and approved by America's largest plants—at real money-saving prices. You save from 20% to 35% when you buy SHAN-ELL products because SHAN-ELL deals direct with you for cash.

All prices F.O.B. New York

Shan-ell

Other good SHAN-ELL products . . . attractively priced:

Printed Cellophane SHIRT and SWEATER BAGS

Printed Kraft SHIRT and GARMENT BAGS

Printed SHIRT BOXES • POLYETHYLENE GARMENT BAGS

Nylon ZIPPER LAUNDRY NETS

ELLENBOGEN & SHANNON, INC.

10½ MacDougal Alley New York 11, N. Y.

Ship us the "Shan-Ell" products we have checked below:

(Please send check with order if not rated)

5 gals.	30 gals.	55 gals.	
			SHEER MAGIC Dry Size
			GOLDEN FLEECE Charge Soap
			MIXST MASTER Emulsifier
			WEB FOOT Water Repellent
			MOTH CHASER Moth Repellent

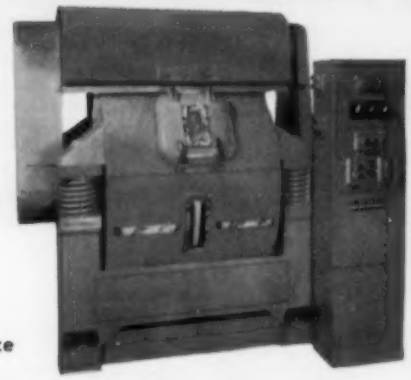
Signed .....

Company .....

Address .....

THE DOUBLE FEATURE OF THE CHICAGO SHOW!

• The Greatest Advance in the Dry Cleaning Industry since the introduction of the GROSSAIR Open-End TUMBLER . . .



The Revolutionary New

GROSS AUTOMATON

The Fully Automatic Combination
WASHER - EXTRACTOR

★ Big Volume Production
★ Both Synthetic and Petroleum Solvent
★ Exclusive "S" Dual Capacity Cylinder
★ Economical Installation, Operation, Maintenance

Only the GROSS AUTOMATON has ALL these Features!

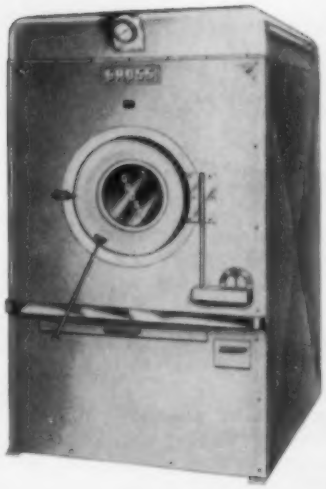
- Both Synthetic & Petroleum Solvent Operation
- Exclusive "S" Dual Capacity Cylinder
- Fully Automatic Production
- Full Width Hand Level Door
- Unique Vibrationless Construction — 4 Massive Coil Spring Suspension
- Simple Economical Installation
- Automatic Air Operated Valves
- Dynamically & Statically Balanced Cylinder
- Special Shell and Cylinder Corrosion-Resistant Coatings
- Open Type Rib, Double-embossed Perforated Cylinder
- Complete Built-In Safety Automatic Controls
- Specially Designed Solvent Valves
- Dual Solvent Inlet — Center "V" Outlet
- Dual Overflow Connections

WRITE, WIRE OR PHONE FOR DETAILS NOW!

GROSS MACHINERY CO., Inc. • Founded 1923
ORIGINATORS AND MANUFACTURERS OF THE WORLD'S FINEST DRY CLEANING EQUIPMENT
183 HALBERT ST. • BUFFALO 14, NEW YORK

NEW!

GROSSAIR PERK-CLAIMER
Open-End TUMBLER

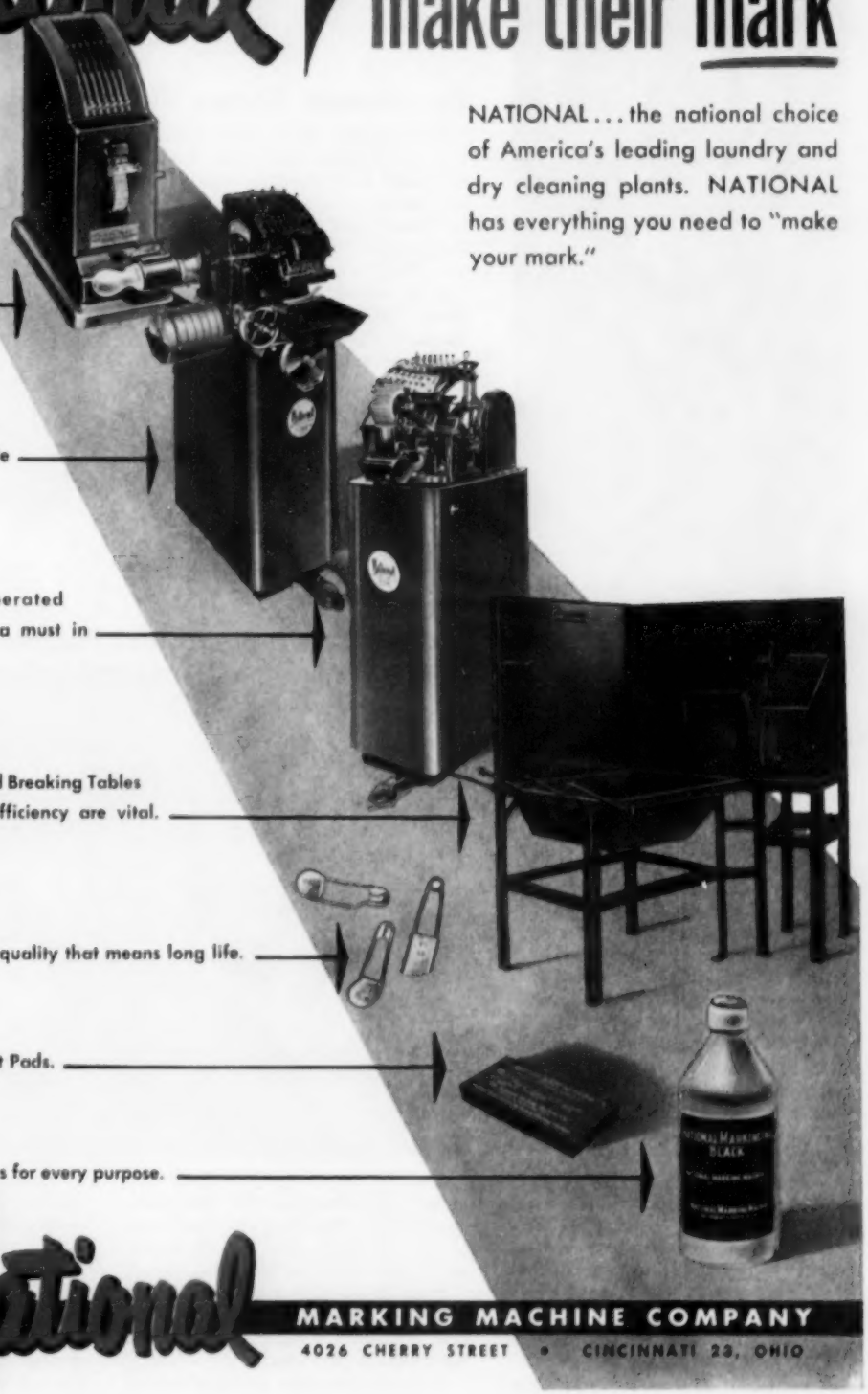


- GREATER SYNTHETIC SOLVENT RECLAIMING
- EXCLUSIVE NEW PIN-N-BUTTON TRAY
- EXCLUSIVE TEMPERATURE DIAL THERMOMETER
- FASTEST DRYING TIME IN THE INDUSTRY
- HIGHEST DEODORIZING EFFICIENCY
- EXCLUSIVE VAPOR-TIGHT LINT TRAP
- MOISTURE SEPARATOR

The GROSSAIR PERK-CLAIMER, by a unique dual coil and continuous circulating system, reclaims the solvent almost completely! By a unique dual damper automatic system, fresh air is drawn into the tumbler and minute vapors discharged safely through the rear away from the operator while unloading tumbler. And an accessible new exclusive vapor-tight pin-n-button tray — plus the famous vapor-tight lint trap — make the operator's work simple and quick . . . all this adds up to a revolutionary new development — the GROSSAIR PERK-CLAIMER TUMBLER!

National products that make their mark

NATIONAL . . . the national choice of America's leading laundry and dry cleaning plants. NATIONAL has everything you need to "make your mark."



National Lever Principle Hand Marking Machines . . . standard equipment in small laundries.

National Power Tag-Making Machines . . . a favorite with large dry cleaners.

National Power - operated Marking Machine No. 8 . . . a must in large laundries.

National Marking and Breaking Tables . . . used where speed and efficiency are vital.

National Net Pins for quality that means long life.

National All-Wool Felt Pads.

National Marking Inks for every purpose.

THE National MARKING MACHINE COMPANY
4026 CHERRY STREET • CINCINNATI 23, OHIO

BUSINESS BUILDERS

Barrel Rolls 'Em In



THE BARREL pictured above brought business in to Norton's Laundry in the heart of New York City's midtown business district

Shirt Bags Spur Sales

An increase in shirt finishing volume which George Bonham of Bonham Cleaners, Denver, Colorado, characterizes as "sensational" has been the direct result of packaging each shirt in a tough, polyethylene bag.

The bags, which cost Bonham approximately 1½ cents each, are accompanied by a mimeographed "suggestion sheet" which lists some 25 uses for them. Included are such uses as storing shoes and stockings for travel, keeping damp clothes moist for home ironing, protecting stored tools and fishing equipment through the winter months, packing meats and vegetables for the home freezer, guarding silverware from scratching and oxidation, carrying them along for baby's diapers on automobile trips, etc.

Most of the uses have been suggested by grateful customers, and there is no question but that the sharp pickup in bachelor bundles received by Bonham's is traceable directly to the goodwill built by the bags.

"Every shirt now goes out in one of the polyethylene bags, no matter whether the customer's order includes a dozen or two," Mr. Bonham said. "We can invariably depend upon a grateful response. This sort of appreciation translates directly into a much greater sales volume and valuable word-of-month endorsement."

Drycleaner Shows Finishing in Neon

The Ruston (Louisiana) Cleaning Co. has a unique neon sign, designed by owner A. W. Rachal, which shows an operator at a press. The operator's left hand goes out to smooth down the garment. With the other arm the press head is brought down. Then the foot is raised and the pedal held down. When the pedal is released, the head comes up.

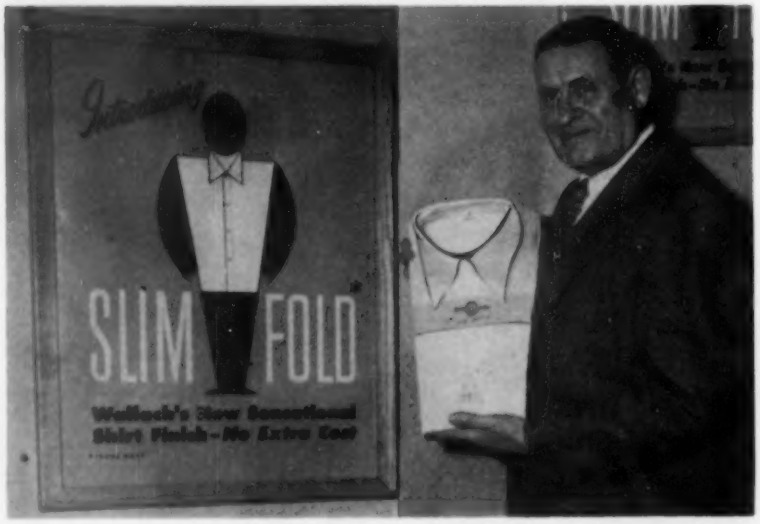
The operator's trousers are a dark green, his jacket or sport shirt bright red, his hair yellowish brown, and the neon outline is white. The press is aluminum with a dark base.

The neon sign underneath has "Ruston" in red and "Dry Cleaning Co." in white, with the words blinking on and off as the press operates.

The sign cost $350 and was made up by a neon sign company at Monroe, Louisiana.



Something New in Shirt Packaging



Wallach Laundry of New York City recently introduced a new shirt package which, according to plantowner M. U. Wallach, has had three encouraging effects on business.

First, the customer gets a different and better looking shirt, thanks to the new V-shaped folding board which the company perfected.

Secondly, the new package proved a refreshing change for the shirt operators, making them more quality-conscious—with the result that there are fewer re-do's than ever before.

Thirdly, it gives the sales staff a "door opener"—something new to talk about—and this was reflected in the 5 percent increase in shirt sales even during the usually slow months of January and February.



Like tying a string around her finger...

LINCOLN GARMENT DELIVERY BAGS

Keep your name and services always in your customer's mind with Lincoln Garment Delivery Bags. They're attention-getting, colorful, striking . . . available in a wide range of individually styled selections designed to do a constant selling job for you after the cleaned garment leaves your plant. See your favorite jobber . . . or write direct for complete details.

Lincoln Bag Company, Inc.
Para-Lux Products Company

4207 WEST SCHUBERT AVENUE
CHICAGO 39, ILLINOIS



Diamond Perchlorethylene helped me boost sales!

Oil, grease, tar, wax, gum—this new, improved DIAMOND solvent removes *all* oil-soluble soils. It penetrates everything—delicate fabrics or heavy woolens—safely and quickly. Word gets around. Old customers come back. New customers come in.

Dry cleaners now using DIAMOND PERCHLORETHYLENE talk about its excellent quality and performance. It's doubly stabilized and meets all standards covering toxicity and flammability.

Try a drum next time. Your local DIAMOND sales office can give you the name of the nearest DIAMOND distributor. Or write to DIAMOND ALKALI COMPANY, 300 Union Commerce Building, Cleveland 14, Ohio.

Send for NEW, free folder on DIAMOND PERCHLORETHYLENE.

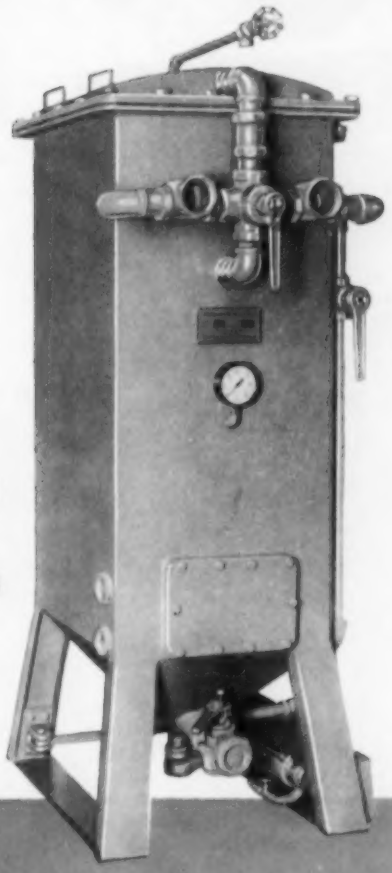
DIAMOND ALKALI CHEMICALS

Diamond Perchlorethylene

For professional drycleaning at its best

WASHEX

Tube Filter



more filtering area yet less floor space

Available in 2000 to 15,000 gph capacities

Need more filtration? . . . Haven't got the space? . . . the WASHEX Tube Filter is the right answer for just such a problem. With 12% more filtering area, it requires 25 to 40% less space per rated capacity than some round-type filters (and it's lower in height, too).

WASHEX Tube Filters are equipped with pneumatic sludge actuator that operates automatically during demucking. Filter cake is removed from the tubes by backwash or by an effective air agitation method.

WASHEX MACHINERY CORPORATION
192 BANKER STREET, BROOKLYN 22, N. Y.

Your local WASHEX Distributor will be proud to tell you more about the WASHEX Tube Filter, or send in coupon.

WASHEX MACHINERY CORPORATION
192 Banker St., Brooklyn 22, N. Y.

Please send me further information on the WASHEX Tube Filter. I'm interested in.....gph capacity.

NAME .....

FIRM .....

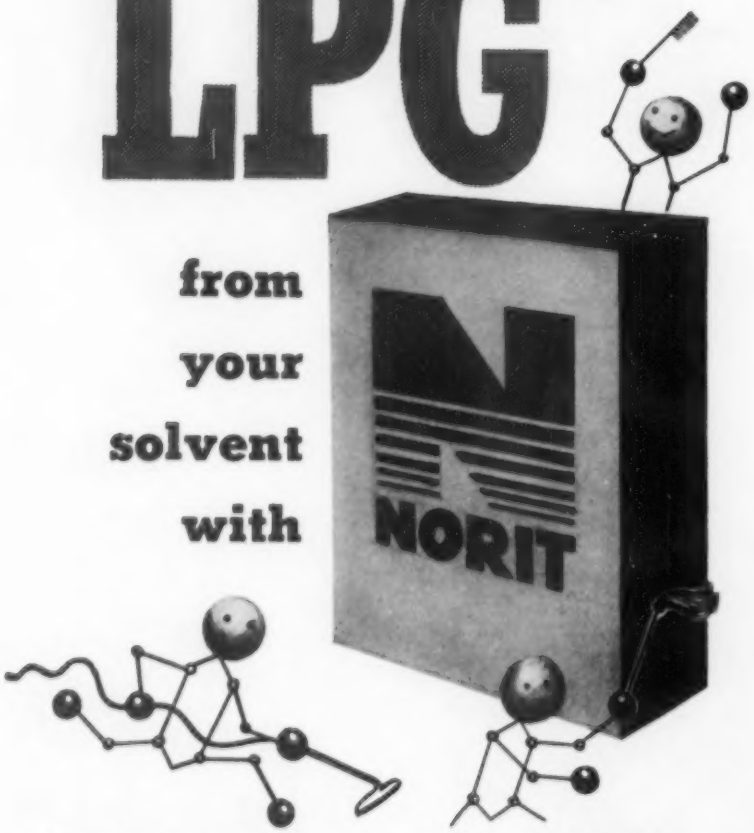
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CITY..... ZONE..... STATE.....

get more

LPG*

from your solvent with



Removing impurities from solvent during cleaning is a must for every plant today, regardless of system. Efficient removal is that which is least costly.

The less distillation your solvent requires the more LPG you get, but unwanted color and other soluble impurities build up and reduce cleaning efficiency. NORIT activated carbon controls this build up by adsorbing these impurities —and with better filtration too!

1 lb. per 100 gallons solvent is all you need. Removes only what you want taken out . . . no effect on soap charge. Box for box NORIT is guaranteed to equal any other carbon . . . and there are only 10 lbs. in a box of NORIT!

Your men will like NORIT the first time they reach for the easy-to-handle carton . . . you will like more LPG!

***loads per gallon**

NORIT a product of

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216 Pearl Street
New York 38, N. Y.

QUESTIONS and ANSWERS

Flock-Printing Loss

Could you test this dress to see if the loss of white "velvet" on the print is the fault of the cleaning process or the merchandise?—*C.C., Alaska*

The print or design on this fabric has been produced by a process known as flock printing. In this type of printing a glue or adhesive is applied to the fabric. Then tufts of fibers are blown against the adhesive, causing it to stick and producing a design.

The difficulty in cleaning such garments arises from the fact that the adhesive is slightly solvent-soluble. Thus when the adhesive is partially lost through cleaning, the flocking is also lost to some extent. Friction from wear will also tend to cause a similar loss of flocking.

It is, of course, impossible to wet-clean this type of garment, which leaves only drycleaning procedures. Therefore, when garments will not withstand the standard drycleaning solvents and can be cleaned in no other manner, they can hardly be considered very serviceable. In fact, a loss of flocking always occurs sooner or later in garments of this type.

Faded Spots

Can you determine what caused the faded spots on this pair of tan trousers? —*E.L.C., Georgia*

The spots on this garment, which are due to a loss of color, appear to have been caused by the spotter in an attempt to remove a stain. And it seems most likely that the error was either in the use of a steam gun or a bone spatula.

On hard acetate fabric, such as this, it is relatively easy to rub the color off the fabric by working too hard with a bone spatula or similar object. Even a fingernail used in trying to remove a stain will occasionally cause such damage.

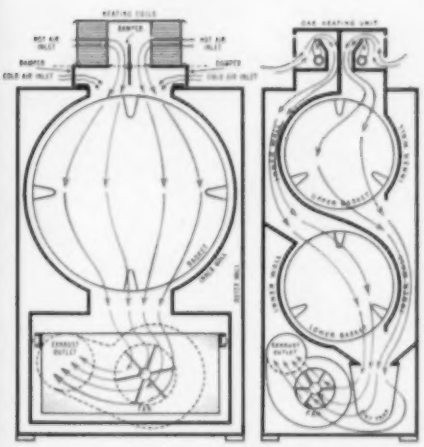
In the case of these trousers, we believe that the damage was caused by using the steam gun too close to the fabric. Very often when a stain is rather difficult to remove the spotter will work too close. Because there is a high heat close to the nozzle of the gun, acetate dyes are literally fused off the fabric.

The spotter should not use the steam gun closer than 3 inches to the

Cissell gives you tumblers with DOUBLE WALLS

One of the reasons for the great swing to Cissell Tumblers is their sturdy construction. Double walls are built in, at a substantial increase in manufacturing costs, not for beauty but to provide extra strength to withstand day-after-day pounding . . . to reduce heat losses . . . to insure comfortable operation—walls are never too hot to touch.

U. S. Pat. #2,687,578
Other Patents Applied For



on the "Twin". . .

A TWIN HEATING UNIT

. . . provides independent and separately controlled heating of each basket. Separate damper controls on steam tumblers . . . separate gas burners with individual gas controls on gas tumblers. Inner wall provides independent air flow for upper and lower baskets. Actually, you get twin baskets in one unit with all the advantages of a single basket tumbler. Lint, vapors, and drippings from upper basket are not discharged into lower basket . . . a wet load in upper basket does not interfere with drying time of lower basket. *Here's a new peak in twin tumbler performance.*

W. M. CISSELL MANUFACTURING CO., INC.
831 S. First St., P. O. Box 1143, Louisville, Ky. Pacific Coast Office: 4823 W. Jefferson Blvd., Los Angeles. Foreign Distributors: write Export Dept. Cable Code: CISSELL.

Consult Your Jobber

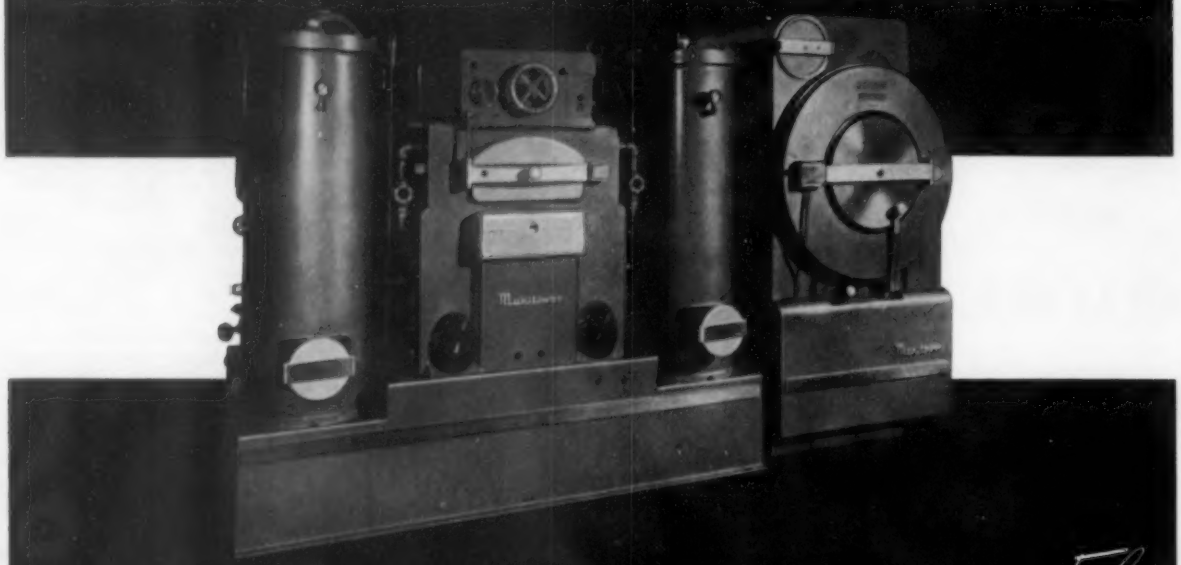


CISSELL TUMBLERS

LAUNDRY
Double Basket "TWIN"—Single Basket 36" x 18", 36" x 30", 42" x 42"

DRYCLEANING
Single Basket 36" x 18", 36" x 30", 42" x 42"

Insure the Quality of Your Dry Cleaning



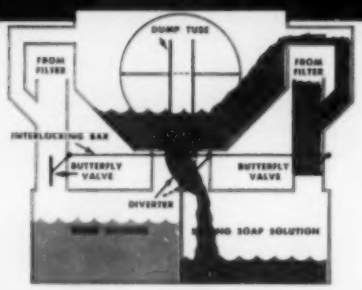
...use Manitowoc with exclusive *Diverti-Flo*

FOR FINEST 2-BATH OPERATION

. . . the only dry cleaning systems that Guarantee *No Intermixing of Solvents*

You give your customers the finest quality cleaning possible — *consistently* — when you use a Manitowoc 2-Bath unit. Why? Because Manitowoc's exclusive Diverti-Flo guards the constant purity of your solvents at all times — there's no chance for "soapy" rinse solvents or a weakened "soap" solution. Every time you run a load through a Manitowoc, you can be sure it'll come out *clean!* Cuts time-consuming spotting and re-running to a minimum.

Top cleaning service *keeps* customers and makes new ones. Don't gamble with the quality of your cleaning — don't gamble with the future of your business. Look into the Manitowoc 2-Bath with exclusive Diverti-Flo — built and designed specifically for 2-bath operation.



Exclusive with Manitowoc! Diverti-Flo controls the solvent cycle to positively prevent intermixing of "soap" and rinse solvents. Fool-proof *Diverter,* operated by interlocking bar, seals off rinse solvent from "soap" when washing. When rinsing — the flow of "soap" is sealed off from the flow of rinse. Sure, positive mechanical operation — eliminates electric and hand valves.

Manitowoc

A Complete Line of Synthetic and Petroleum DRY CLEANING SYSTEMS

Perchlor K-5F • H-5F

MANITOWOC ENGINEERING CORP.

MANITOWOC, WIS.

fabric, since it is not used to blow the stain from the fabric. The spotter should also, of course, keep the gun moving. In this instance, it seems evident that the spotter has been very close to the fabric and the short strokes with the gun have made a path of color-loss streaks.

Redyeing is the only means of restoration.

Discolored Drapes

Can you tell us what caused the discoloration on these drapes?—*B.Q.C., Indiana*

The discoloration on these drapes is due to a bleeding of the dyestuff.

This type of drape is frequently dyed with dyestuff fast to washing, without considering that, because of shrinkage, the drapes are usually drycleaned. And when the drapes are subjected to dry solvents the dye sometimes bleeds severely.

The fluorescence of the contact dye compares exactly with the dyes in the drapes, a further indication that bleeding dyes caused the discoloration.

It is rather unlikely that this dye can be cleared from the fabric. The only way it might be done would be to soak the drapes in a bath of drycleaning solvent and detergent in the hopes that the dyestuff might again start bleeding and that it could be rinsed from the fabric without staining the white area. In such an event, extract lightly and tumble dry.

There is no evidence of failure on the part of the drycleaning operation. The damage is the result of a failure on the part of the dyestuff to withstand standard drycleaning solvents.

Foreign-Dye Stains

Could you tell us what caused the spots on the back of this dress?—*P. C., Ohio*

The red stains on this garment have evidently been caused by a foreign dye. There is a possibility that it might be a paper dye from confetti or similar material.

This type of stain is quite fast, particularly on rayon and cotton fabrics. Perhaps the best chance of removing them without damage to the base dye of the fabric is to soak the spots either on the board or in a bath of water in a solution of water and neutral lubricant. Sometimes the penetrating property of neutral lubricants will release the foreign dye. Other than this procedure, the only means of stain removal is through the use of bleaching agents, which would not be recommended in this case.



The Case of The Nervous Cleaner

Skellysolve
Stoddard Solvent

General Specifications

Color (water clear)

Acidity—Neutral

Doctor (Sulphur) Test—Sweet

Flash Tag closed tester—105° F.

Distillation—312° to 390° F.

140 Flash Naphtha also available.

His output was sagging . . . work was piled up in the shop . . . customers were complaining. Then he tried Skellysolve, and things changed.

Once he started depending on Skellysolve he discovered this sweet-smelling, fast-drying solvent gave him the kind of constant high quality it takes to help turn out good cleaning fast.

And he soon learned that Skellysolve delivery is always dependable. It was good to know, too, that Skellysolve Technical Field Men are available to help solve operational problems.

Now is a good time to learn what Skellysolve quality and service can mean to you. Contact your local Skellysolve dealer or jobber today.

SKELLY Skellysolve
DRY CLEANING SOLVENTS
INDUSTRIAL DIVISION, SKELLY OIL COMPANY, KANSAS CITY, MISSOURI

at last! an ELECTRICALLY DRIVEN
OVERHEAD SPEED RAIL SYSTEM



White CONTIN-U-VEYOR*

For as little as 10c a day, **you can operate this automatic White Contin-U-Veyor System . . . speeding up operations in your plant, as you never dreamed possible! Now, a heavy-duty drive moves garments from department to department, floor to floor, in any direction . . . smoothly, quickly, cheaply. You get all the advantages of an overhead rail system . . . *plus* the speed, ease and efficiency only possible with automatic electrical operation. Our engineers will submit free plans for your own plant . . . no obligation, of course.**

WHITE MACHINE CO., INC.

Manufacturer of Contin-U-Rail, the nation's leading overhead manual rail system.

*U.S. Patent Applied For

FREE!
Mail coupon for descriptive literature and price information.

White Machine Co., Inc.
14th St. & Lafayette Ave., Kenilworth, N. J.
Rush me complete Contin-U-Veyor information without any obligation on my part.

Firm Name_____
Address_____
City_____ Zone____ State_____
Your Jobber_____

GADGETS and GIMMICKS

Overhead Storage



Facilities for storage of light and bulky supplies at Reed Cleaners, Fargo, North Dakota, have been provided all around the walls of the plant. Strong plank shelves are held securely by short lengths of pipe and strap iron fastened to ceiling joists.

Colored Lights Aid Lot Control



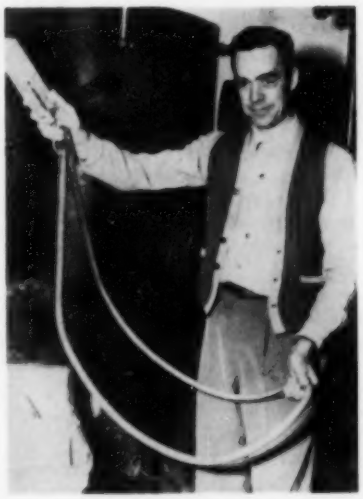
Visible lot control at Reed Cleaners, Fargo, North Dakota, is provided by this set of colored lights at the head spotter's station. Each light is provided with a pull string. The color of the bulb indicates lots. As each lot is spotted, the light of the corresponding color is turned out. The superintendent can see at a glance which lots have yet to be spotted at any time of the day.

Double Hook Hanger Holds Garments

W. H. McMann and G. E. Walker, operators of Sherman Avenue Cleaners, North Bend, Ore., have put a new twist into a hook hanger they first saw in NATIONAL CLEANER & DYER.

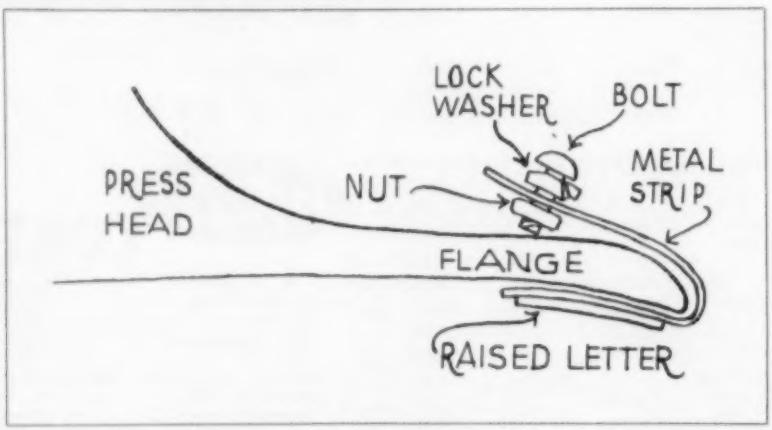
When the cleaners had hook hangers for the slickrail made up out of a piece of conduit, they worked satisfactorily, except for the occasional garment that would slip off the hanger and onto the floor.

Then they bought some ¾-inch conduit 10 feet long and had it bent into a double hook, 12 inches across at the section of the looped hook where garments are piled. Result: no more garments falling to the floor.



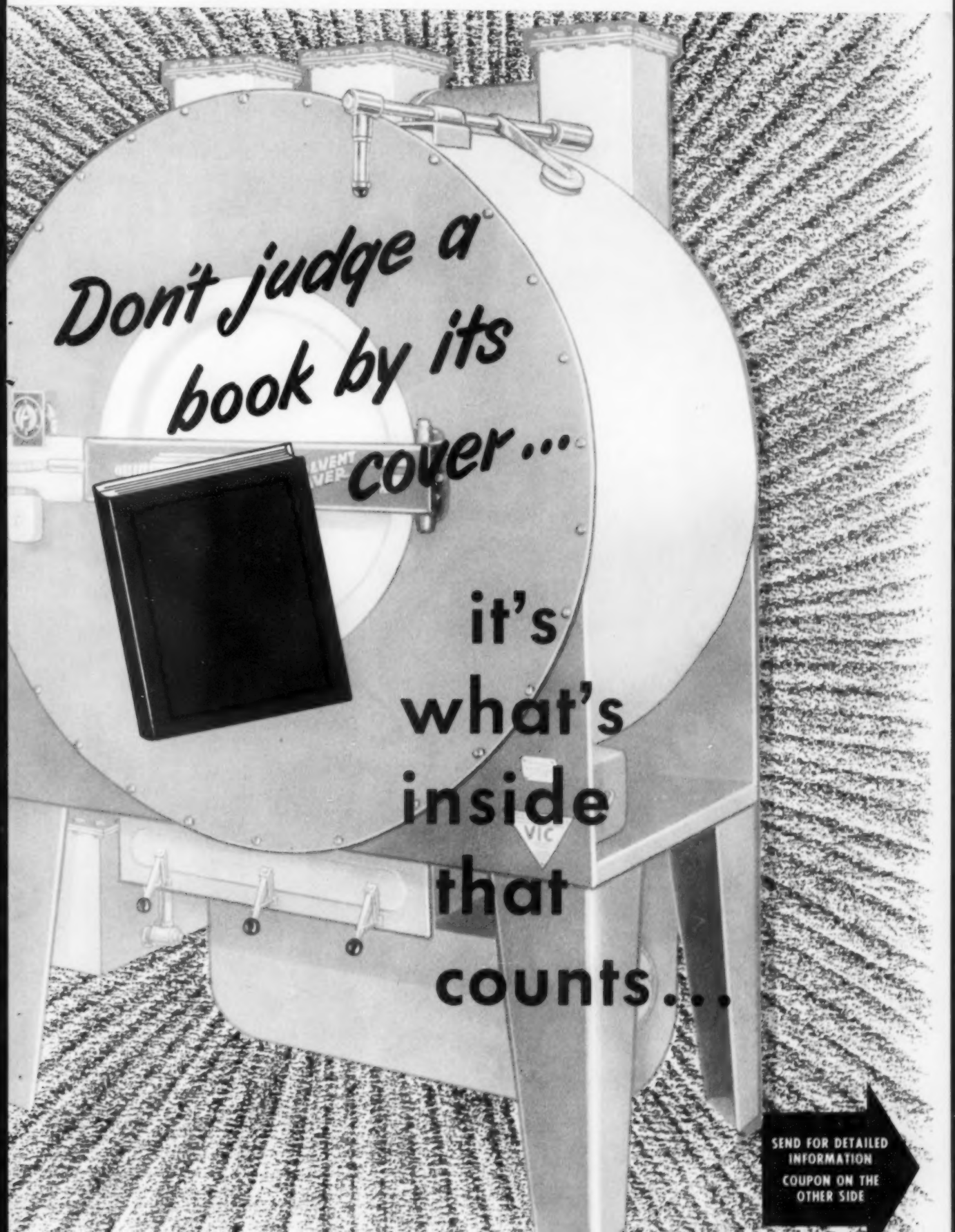
NEW DOUBLE HOOK HANGER is shown by W. H. McMann, co-owner of Sherman Avenue Cleaners

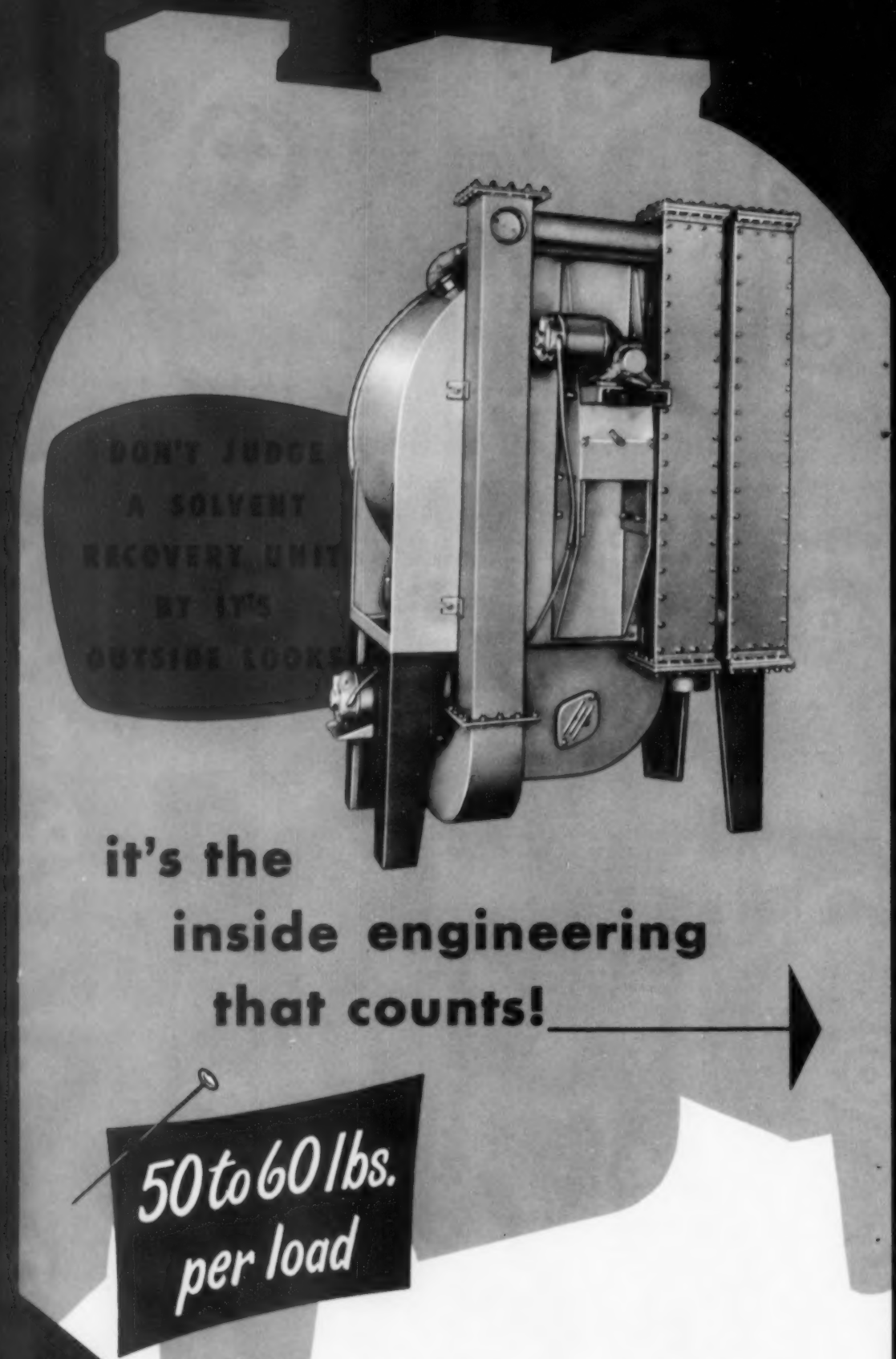
Letters Identify Shirt Units



Plant superintendent Harold of the Creech Cleaners and Laundry in Fort Bragg, North Carolina, has devised a means of marking shirts so that he can tell which shirt unit did the finishing job. He had been using different colored yoke bands, but since this involved colors that did not show white shirts off to the best advantage, the new system was devised.

On the head of each collar press Mr. Harold has fastened a small springy metal strip with an embossed letter on it. This strip bends around the flange of the ironing surface with a bolt, secured by nut-and-lock washer, holding it in place. When the press head is brought down, the embossed letter presses into the inner surface of the shirt collar, leaving a letter imprinted in the fabric. These letters differ on each shirt unit.


Don't judge a book by its cover...
it's what's inside that counts...
SEND FOR DETAILED INFORMATION
COUPON ON THE OTHER SIDE


DON'T JUDGE
A SOLVENT
RECOVERY UNIT
BY IT'S
OUTSIDE LOOKS
it's the
inside engineering
that counts!
50 to 60 lbs.
per load

OTHER SIDE

Plant Operators Who CARE

Compare!

Feature for feature, Vic is a bigger, better value ... it out-performs any other unit on today's market!

✔ WANT SPEED AND QUALITY WORK? ✔ WANT CAPACITY WITH LOW COST? ✔ WANT LOW OPERATING COST? ✔ WANT LOW LABOR COST and ✔ LOW MAINTENANCE COST?

Then You'll *Compare!*

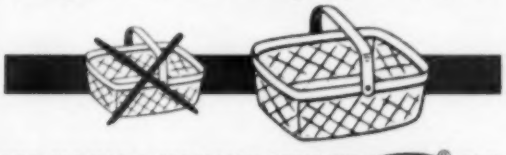
-- the revolutionary new **VIC #64 SOLVENT RECOVERY UNIT**

with others that may look fine on the outside BUT . . . ARE ENGINEERED ENTIRELY DIFFERENTLY ON THE INSIDE!

HERE ARE 4 BIG PIECES OF INSIDE INFORMATION

1 VIC #64 HAS MUCH LARGER CAPACITY

It handles 50 to 60 lbs. in a load, but takes no more floor space than units handling only 30 to 40 lbs.



2 VIC #64 HAS A SPECIALLY DESIGNED NOLINT® COIL

(Name copyright, 1954)

NOTE THESE DIFFERENCES:

(a) ORDINARY COILS have projecting fins and surfaces that catch and hold lint, gradually building up an actual blanket of insulation that slows down heating and cooling action -- CUTS PERCENTAGE OF FLUID RECOVERED.

(b) VIC NOLINT® COILS are engineered with smooth outside surfaces. Lint cannot catch and accumulate. There is nothing to retard quick action ... therefore you get MAXIMUM RECOVERY.

3 VIC #64 CAN BE INSTALLED THROUGH ANY STANDARD 36" DOOR, WHICH MEANS NO EXTRA INSTALLATION COST.

4 VIC #64 RECOVERY UNIT HAS SPECIALLY ENGINEERED COILS, WHICH INCREASE SPEED AND EFFICIENCY.

(a) CONVENTIONAL ENGINEERING . . . other recovery units have air passages which actually hamper the proper distribution of air.

(b) VIC MODEL #64 ENGINEERING . . . so designed that air is directed into both heating and cooling coils evenly, thus acting more rapidly and with greater efficiency.

NOTE: The even distribution of air, due to Vic's advanced engineering, makes possible the extraction of more solvent from the solvent-laden air, in less time. It also makes possible faster re-heating of air, thus giving more efficient solvent recovery for less steam and water cost.

Heating and cooling chambers are made of stainless steel and corrosion-resistant metals.

NO COMPETITOR CAN OFFER AS MUCH

Every VIC Machine Is Engineered From Drawing Board To Production Line For Maximum Efficiency. Plant Operators Who Care -- COMPARE!

Sales and Service in all Principal Cities

VIC CLEANING MACHINE COMPANY

EXPERIENCED SINCE 1912 • MINNEAPOLIS 3, MINN.



SEND FOR DETAILED INFORMATION

COUPON ON THE OTHER SIDE

insist on the BEST

VIC

The World's Largest Line of Dry Cleaning Equipment



Capacity SYNTHETIC and PETROLEUM, Ranging in Capacity from 18 lbs. per load to 100 lbs. per load.

Value VIC CLEANING UNITS FROM $2910.00 AND UP



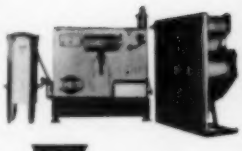
VIC Econo
- Model 59
- 35 lbs. PER LOAD
- 140 lbs. PER HOUR



VIC Auto Per
- Model 22
- 36 lbs. PER LOAD
- 72 lbs. PER HOUR



VIC Rocket Per
- Model 45B
- 50 lbs. PER LOAD
- 200 lbs. PER HOUR



VIC Jr. Rocket
- Model 32C
- 20 lbs. PER LOAD
- 80 lbs. PER HOUR



VIC Shaker Filter
- Model 30
- 1500 gals. PER HOUR
- 2500 gals. PER HOUR



VIC STRONG Soap Rinse Unit
- Model 57



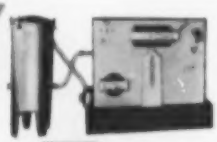
VIC Still
- Model 34 A — 40 gals. PER HOUR
- Model 41 A — 80 gals. PER HOUR



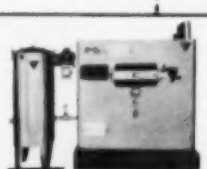
Solvent Saver
- Model 24 — 25 to 40 lbs. PER LOAD
- Model 64 — 50 to 60 lbs. PER LOAD

Above units are available with VIC'S famous strong soap rinse unit, and VIC'S famous self cleaning filter, . . . and it's a fast

Operators have gone as long as 3 years without removing FILTER COVER OR BASE.



VIC Sol Vic
- Model 23
- 40 lbs. PER LOAD



VIC Special Per
- Model 32
- 20 lbs. PER LOAD
- 40 lbs. PER HOUR



VIC Century
- Model 42-
- 100 lbs. PER LOAD
- 400 lbs. PER HOUR

VIC

Sales and Service in all Principal Cities

CLEANING MACHINE COMPANY

EXPERIENCED SINCE 1912 • MINNEAPOLIS 3, MINN.

VIC ECONO | VIC AUTO PER | VIC ROCKET | VIC ROCKET JR. | VIC SOL VIC | VIC SPEC. PER | VIC CENTURY | VIC SOLVENT RECOVERY UNIT

VIC CLEANING MACHINE COMPANY
1313 Hawthorne Avenue
Minneapolis 3, Minnesota

Gentlemen: Please send us more information and prices on _____ and _____
(Print Name and Model Number)

Have your local salesman call on me _____
date

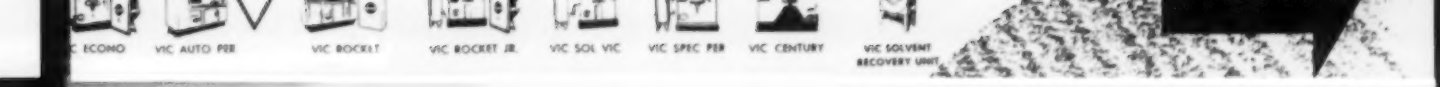
Name _____

Name of Company _____

Address _____

City _____ Zone _____ State _____

FORM 623





easy ways to take out tough stains



1 ...for solvent-soluble stains

TarGo®

The famous spotter with the extra "kick" you need to knock out difficult "hard-set" stains. Highly concentrated for effective, thorough, quick removal of lipstick, oxidized oil and grease, rubber-base paint, shoe polish, airplane dope, ball pen ink, tannin and other hard-to-remove solvent-soluble stains. Works twice as fast — with half the effort—on routine stains. A must, too, for "LIPSTICK and BALL PEN INK LOADS" in petroleum or synthetic solvents, charged or conventional systems. Economical because a little *TarGo* goes a long way.

2 ...for dye stains

YellowGo®

The liquid titanium dye stripper that takes out dye stains of any color from any fabric. Safe because it's controllable ... can be made to work slow or fast. Removes fugitive dye fades, button rings, black buckram, red clay, metal and match stains ... can be used in a bath for large stains, as a spotter for small stains. Not a bleach, *YellowGo* doesn't whiten off-whites nor mat wool. Highly concentrated, *YellowGo* may be mixed with plain tap water ... costs you less than 5c a gallon of stain removal solution.

3 ...for writing ink stains

WriteGo

A sensationally effective new product that takes out *all* water-base writing ink stains ... quickly, safely. Works fast — requires no time-consuming soaking, dangerous rubbing, nor use of ammonia or acid. Effective before or after cleaning, *WriteGo* is perfectly safe to all fabrics and most colors that are not affected by water or steam. A liquid agent, *WriteGo* comes in handy 10-oz. dropper-cap bottles.

4 ...for albuminous stains

QwikGo®

A "natural" for time-conscious drycleaners, *QwikGo* is the lightning-fast protein digester that takes out albuminous stains right on the board ... does away with inconvenient digester baths. Good for removing gravy, discharge, milk, ice cream, vomit, egg, glue, coffee, tea, chocolate, salad dressing, soft drink, mustard, blood, yellow (tannin-type) and similar stains. Safe to almost all colors and easy to use, *QwikGo* is packaged in handy 8-oz. dispenser bottles.

5 ...for oxidizable stains

InkGo®

The *controllable* permanganate-base oxidizing agent that takes out stains no other product will remove. Use *InkGo* on oxidizable dye stains that don't respond to *YellowGo* or other *reducing* strippers ... on yellow stains (caused by coffee, tea, mustard, soft drinks, etc.) ... on fruit, wine, medicine, blood, mildew, dye residue of lipstick and crayon, base of marking and ball pen ink, and similar stains. *InkGo* does not yellow synthetic fabrics ... may be *completely* neutralized with Wilson *ColorGo*.

6 ...for silver nitrate stains

ExGo

Keep a bottle of this new liquid agent on hand as a specific for removing silver nitrate-base stains like those from X-ray developer, photo developer and many medicines. *ExGo* is safe to colors and fabrics ... works like a charm ... and is easy to use either as a spotter for small stains, or as a soak bath for large ones.

These good GO products are made by

A. L. WILSON CHEMICAL CO.
Kearny, N. J.

...and sold by leading jobbers everywhere

FREE ...16-page "Spot and Stain Removal Guide". For a copy, ask your jobber or write us direct.

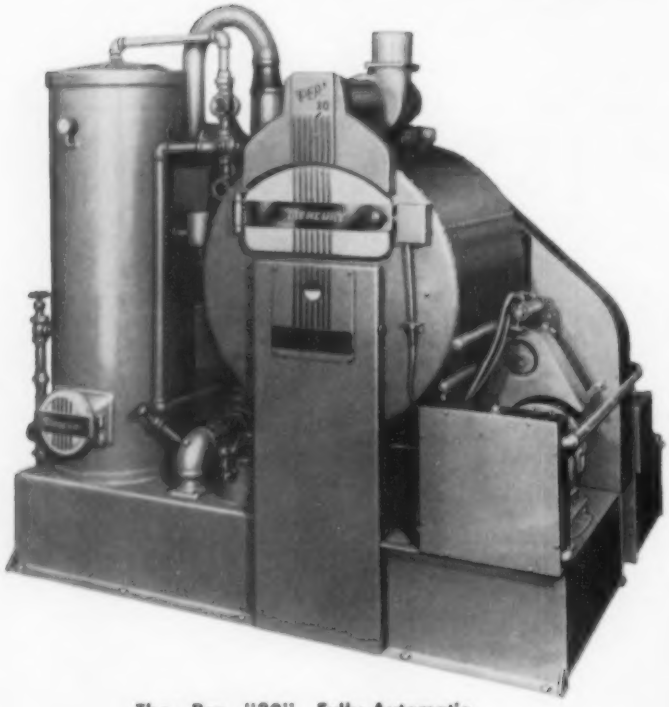


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FULLY AUTOMATIC UNITS

PERCHLOR UNITS



The Per "30" Fully-Automatic Two-Bath Unit

Two sizes: 30-lb. or 40-lb. dry load capacity.

Completely automatic; for single or two-bath cleaning

★ 1500 or 2000 GPH monel tubular filter

Newly designed ventilation

Separate motor driven self-priming centrifugal pump

Solvent added direct from drum through 3-way valve

Continuous distillation

Air-operated valves

Can be used with any recovery tumbler

★ MONEL TUBULAR FILTERS

Piped and equipped for sludge drying. Single 4-way valve for backwashing — furnished for use with Perchlor or Petroleum solvents. Available in 1500 or 2000 GPH sizes.



Easy to install . . . comes completely piped, wired and assembled.

Storage tank built into base with push-pull agitator. NO OTHER TANKS REQUIRED.

MERCURY CLEANING SYSTEMS, INC.

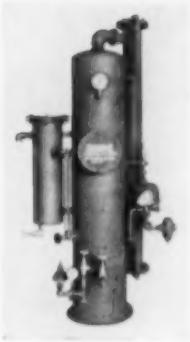
1817 Benson Avenue, Evanston, Illinois • DAvis 8-0710

Perchlor and Petroleum
drycleaning units

SINGLE OR TWO-BATH

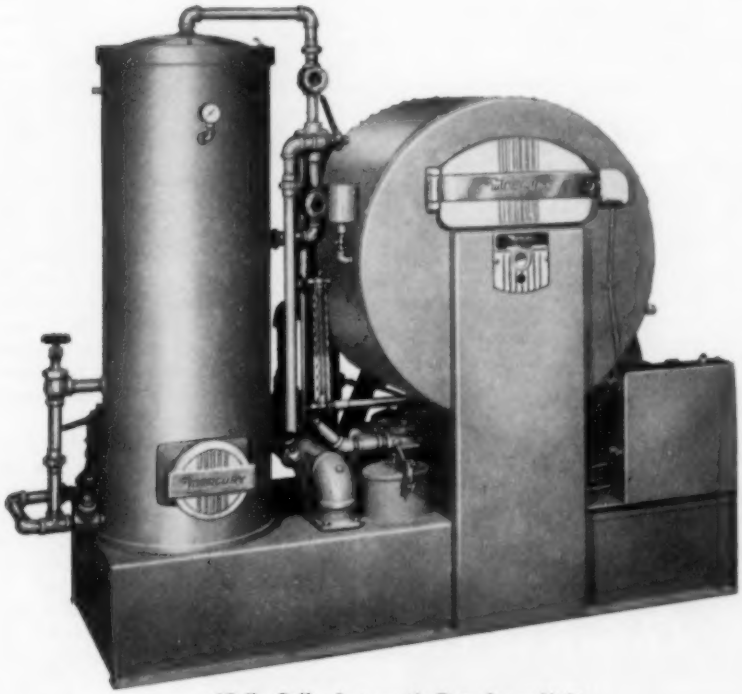
PETROLEUM UNITS

Two sizes—36-lb. or 48-lb. dry load capacity for use with 140-F or Stoddard Solvent . . . Completely automatic; for single or 2-bath cleaning . . . with 1250 GPH 8-plate Filter (1500 or 2000 GPH Monel Tubular Filters optional) . . . Separate motor-driven self-priming centrifugal pump . . . Air operated valves; entirely new design with 3" dump valves . . . 50 GPH Vacuum Still optional . . . New design U/L Tumbler with double Heater Cores and simplified controls . . .

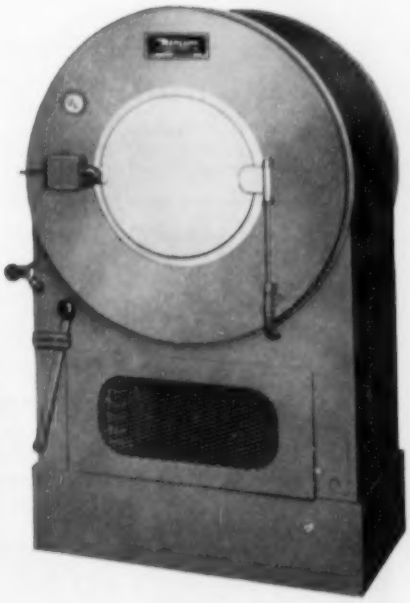


50 GPH VACUUM STILL (Petroleum)

- Higher quality cleaning; faster drying.
- Less spotting, fewer reruns.
- Ideal for Charged Systems.



48-lb. Fully-Automatic Petroleum Unit



U/L Tumbler 36" x 30"

LEGAL DECISIONS

By A. L. H. STREET

Warning Employees

Do the acts of employees on behalf of their employer usually carry the same legal responsibility for him as if he had done them himself?

They usually do, so the boss should guard against getting on the losing end of a lawsuit by telling his employees what they should and should not do under circumstances apt to arise. Of course, unpleasantness may rise with patrons either over the counter in a call office or in contacts between routemen and housewives. Employees should be distinctly warned against using any violence unless they act in self-defense or are compelled to use reasonable force in ejecting an offensive customer from the establishment.

For example, let's suppose that a patron has called at a cleaner's office for a garment and a quarrel develops over the amount due. The patron picks himself up from a sidewalk in front of the office in a bruised condition. He later sues the company for damages, and at the trial the facts are virtually undisputed except as to who started the boxing match. Whether or not the cleaning company will be held liable will probably depend on who the jury believes started the fight.

A decision rendered many years ago by the Minnesota Supreme Court in a case that arose over the amount owed by a laundry patron when he called for a bundle reflects what almost any court could be expected to decide in a similar dispute over garments serviced by a drycleaner. (Burnham v. Elk Laundry Co., 121 Minn. 1, 139 N.W. 1069).

Through a clerical error, the slip on a laundry bundle called for more money than was actually due and a deadlock resulted when the patron refused to pay the amount called for. The clerk refused to let the bundle go for less, and there was evidence to show that the clerk knocked the patron out of the office and onto the sidewalk, though the clerk denied it.

In an ensuing suit, a jury awarded $700 damages in favor of the patron and the Supreme Court okayed judgment for that amount with costs.

The Supreme Court said that it was for the jury to decide what happened according to these applicable rules of law: By maintaining an office where patrons were permitted to call to transact business, the company was bound to protect them against injury or harm excepting such as might result in rightfully ejecting them for offensive conduct. The clerk in charge of the office has "implied authority to preserve order on the premises and to expel disorderly persons." The fact that the clerk assaulted a customer in connection with performance of his duty to collect money for servicing bundles before delivering them rendered the company liable, regardless of whether or not the clerk had been ordered by the employer to refrain from beating up patrons.

The vital fact that fixes liability on the employer in such a case is that the particular fracas arose out of the employer's business and not the mere fact that it occurred on the employer's premises. If, for example, the plaintiff in the Minnesota case had had no business to transact in the office and had gone there to talk to the clerk on a personal matter there would have been no ground for holding the employer liable if the fight resulted.

Famous KEYSTONE Products

Now available from selected leading jobbers everywhere!

GEEP
The most universal spotter of all—Rinses easily with water or solvent—Removes paint, oil, grease, lacquer, lipstick, fruit, etc.

KC4X
1%—Super Concentrated—no separate rinse, single bath charge detergent.

CELOFORM
Clear water white spotter for paint, grease, etc., does not have to be rinsed, evaporates completely.

SOLVINOL
Spotting soap "Prespotter" for food, fruit, oil, blood, grease, etc.

SULPHO-TEX
Original liquid "Soapless Soap" for wet cleaning and spotting, rinses free—Unaffected by acid or alkali.

DUX-IT
Liquid Solvent Soluble Water Repellent. Needs no heating, can be sprayed or dipped.

KCX
The original 4%—no separate rinse, single bath charge detergent.

ZYMO
Concentrated enzymic digester. Neutral—Pleasant odor, for bath or board.

and all other Keystone Quality Products

Send for complete Product and Price List and names of leading Keystone Jobbers serving you.

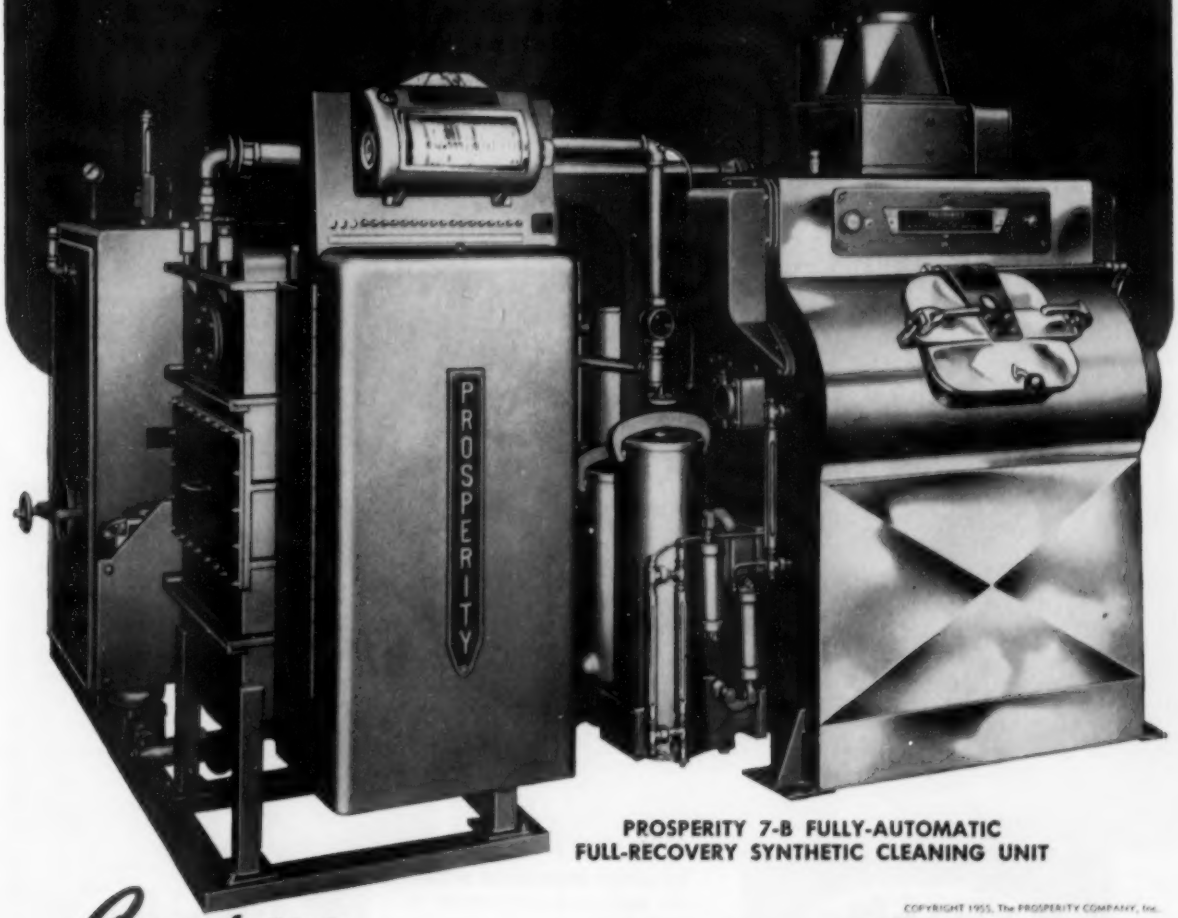
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Make A True Claim to Quality!

"PROSPERITY® 7-B"

(16 MIN. CYCLE)

certifies all claims



PROSPERITY 7-B FULLY-AUTOMATIC FULL-RECOVERY SYNTHETIC CLEANING UNIT

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The **PROSPERITY** *Company Inc.*

AUTOMATIC PRECISION PRODUCTION TOOLS for LAUNDRIES, SYNTHETIC CLEANING PLANTS and GARMENT MANUFACTURERS

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Star of the Month

JANE RUSSELL
Starring In
"GENTLEMEN MARRY BRUNETTES"
Cinemascope — Color By Technicolor
Released Thru United Artists



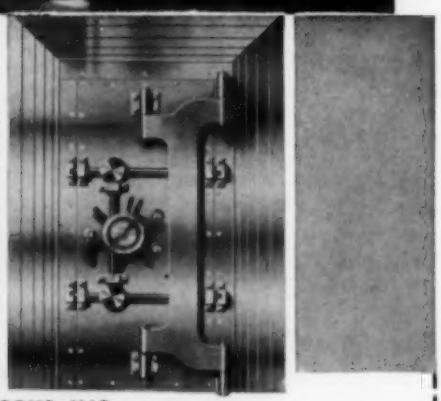
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Again
With
RELIABLE
FUR CLEANING
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A Reliable Fur Storage Vault is money in the bank! For sheer earning power, no other service produces as much profit per square foot of space. Economical Reliable Fur Storage Vaults are preferred across the nation because the brilliant engineering advances guarantee absolute protection against moth damage, mildew, stale air and high temperatures. An investment that pays for itself in one season.

Be a leader in your community with fur storage... let us plan for you now. No cost or obligation.

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Gentlemen: Please send me Free details and literature on Fur Storage Vault and Fur Cleaning Equipment.
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City_____ Zone_____ State_____
Jobber's Name_____

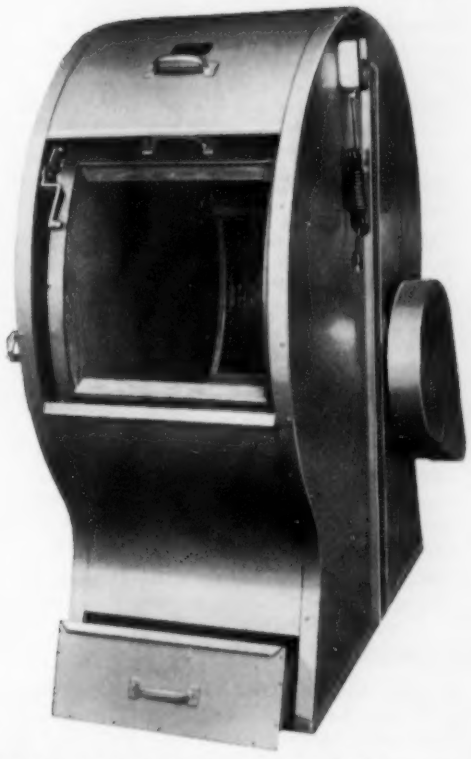
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with the ALL NEW RELIABLE

"SPECIAL" DRUM

ECONOMICALLY PRICED

AT ONLY **$275.00**



A NEW and VERSATILE PERFORMER . . .

CLEANS ORLON and DYNEL with EASE, SAFELY . . .

ALSO CLEANS FURS BEAUTIFULLY and ECONOMICALLY, the FURRIER'S METHOD.

Write For Full Information Today on the "Special" And The Volume Producing DELUXE MODELS WITH SUCTION EQUIPMENT!

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These Pennsalt products point to more profits in your plant



● ALKALINE DETERGENTS

PENSAL®—Free-rinsing soap builder and detergent. Delivers quick, active alkaline power, with safety to fabrics.

PENSAL®-B—A powerful yet mild detergent for the break operation. Brings real savings in time, labor, and cash.

PENSAL®-M—For use wherever soap builders are needed. Its wetting agents increase the penetration of the soap solution.

PENSAL®-W—A complete heavy-duty detergent for use on greasy overalls, oily wipers, mop towels, and other industrial laundry. Saves time, cuts costs.

SPARKETTE®—A different type of Pensal detergent, combines both soap and alkali in one *complete* product.

DYNAHUE*—An entirely new detergent, specifically recommended for colored work. Brightens washable colors while removing stubborn stains. Freshens fabrics, cleans white areas. Blots up loose dyes and greases.

● BLEACHES

PERCHLORON®—High-test calcium hypochlorite containing not less than 70% available chlorine . . . easy to use, safe to fabrics, stable, uniform.

DRI-CLOR®—An economical, fine-granular material for dry-to-the-wheel bleaching. Acts fast and surely with regular number of wash and rinse operations. For use in any white work formula except on silks or woolens.

PENOZONE®—A mild, peroxide-type bleach, for use on colored fabrics. Holds down odors, removes many stains.

● SOURS

ERUSTO SALTS® REGULAR—Use it dry-to-the-wheel or in solution. Leaves fabrics soft, fresh-smelling, and sweet. Shows low souring cost per load.

ERUSTO SALTS® SPECIAL—Use it for rust removal or general souring. Prevents precipitation and iron discoloration on fabrics.

ERUSTOCIDE®—Safe colored-work and woolen sour. Helps keep damp wash fresh and odorless. Also effective for preventing moth damage.

ERUSTO-RAY B*—Combined sour-blue that is high in blue content. Also contains Lexite fabric brightener.

ERUSTO-RAY C*—Like Erusto-Ray B, but for use where light to medium bluing is desired, or for use in "high bicarbonate" waters.

● BLUES

QUAKER BLUE®—A highly concentrated liquid blue. Shade and concentration uniform . . . imparts sparkle and brilliance to work.

ERUSTO® BLUE No. 16—An all-purpose liquid blue, for use with or without sour. A slightly different shade from Quaker Blue.

● DRY CLEANING PRODUCTS

POWER-PAK*—A high-quality charged-system detergent which works equally well in systems of from 1% to 4% charge. Readily adaptable to any equipment. Fast-rinsing, Power-Pak offers trouble-free distillation and filtering. Reduces wet cleaning and spotting, results in less wrinkling and lower finishing costs.

ERUSTO® ENERGEX*—Emulsifier and energized de-soiler for use in the dry cleaning washer.

ERUSTOCETIC®—A highly efficient sour for wet cleaning. Promptly sets colors, eliminates odors, restores freshness to fabrics. Easy and economical to use.

● SPOT REMOVERS

ERUSTICATOR®—A favorite for many years with leading cleaners and dyers . . . especially designed for easy, safe removal of rust stains.

ERUSTO® OIL, PAINT and GREASE REMOVER—Can be used on wet or dry side. An especially free rinser.

MIST*—A neutral lubricant and penetrant used for the safe removal of unidentified stains on all water-safe fabrics. Excellent for use on blood, beverage, fruit, grass, ink, and dye stains. Leaves no ring or odor.

● NEW!

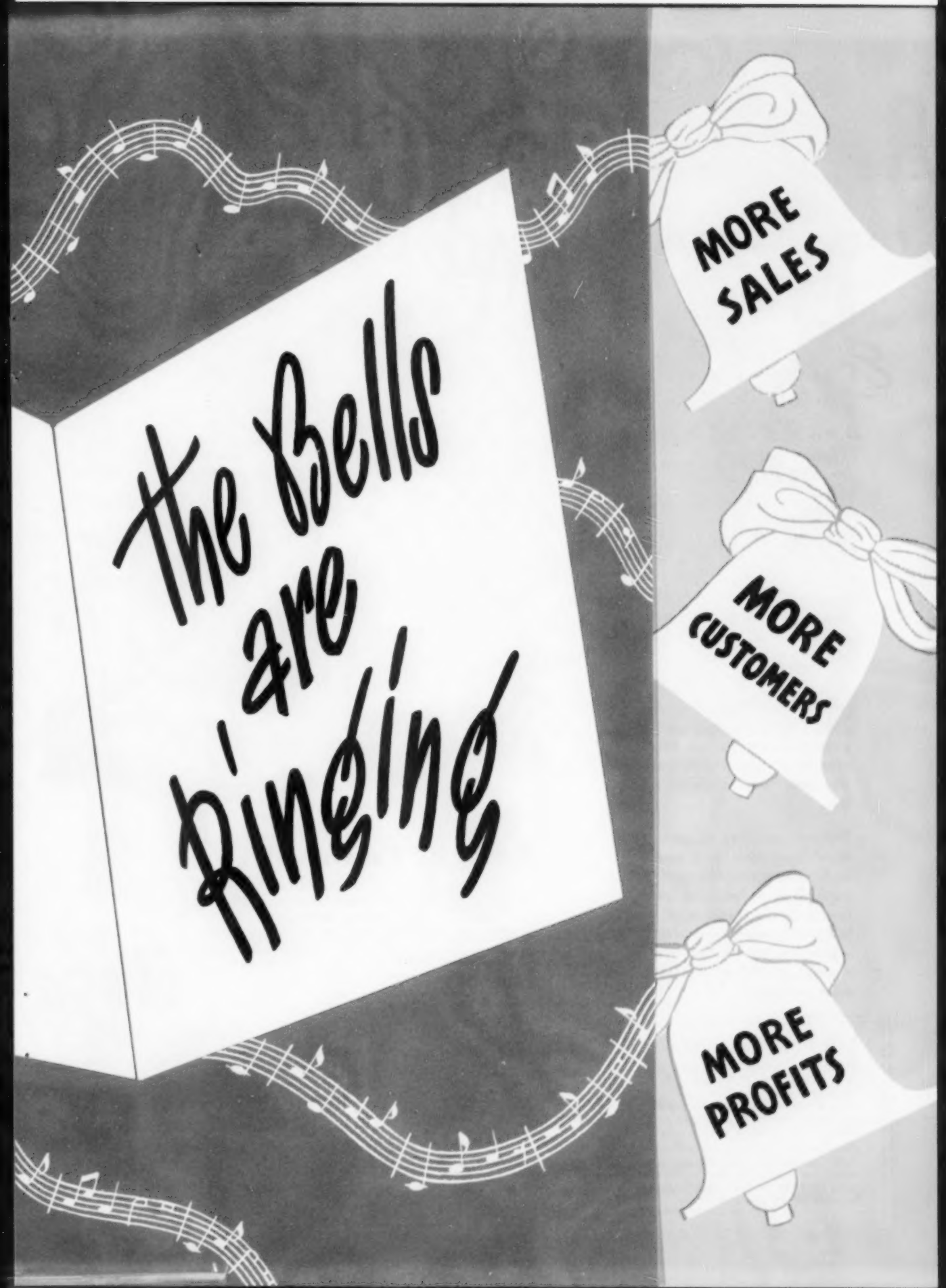
PENTROX*—A liquid solvent and emulsifier for removing oils and greasy soil from industrial wipers, white or colored overalls, shop aprons, mop towels, fender covers, and other heavily-soiled items. Pentrox penetrates soils instantly, cuts down re-washes, saves hot water by keeping heavy oils and greases emulsified until removed from the load. No strong, irritating odor.

For further information on any Pennsalt Laundry and Dry Cleaning Products, see your distributor or write to: Laundry and Dry Cleaning Dept., Pennsylvania Salt Manufacturing Company, 1076 Widener Building, Philadelphia 7, Pa.

*TRADE MARKS OF PENNSYLVANIA SALT MFG. CO.

Pennsalt Chemicals

LAUNDRY AND DRY CLEANING DEPARTMENT


The Bells are Ringing
MORE SALES
MORE CUSTOMERS
MORE PROFITS

For Me and My Pal!



Lack of Capital?

It is possible to LEASE a Detrex Coronet or two-bath Coronet and Synth-O-Saver. See coupon below.

DETREX CORPORATION
Dept. QQ-500a
Box 501, Detroit 32, Michigan



- ☐ Send me all the facts on how I can build bigger business and more profit with the Detrex Process.
- ☐ Send me all the facts on the new lease arrangement for the Detrex Coronet.

NAME _____

COMPANY _____

ADDRESS _____

CITY _____ ZONE ____ STATE _____

and DETREX is making them ring!

There are many important reasons why Detrex Process is different from all others. One of the most important differences is the proven ability to make your cash register ring more often—and with greater profit per sale.

To begin with, the Detrex Process includes the revolutionary new Stedy-Flo Tubular Filter System . . . designed expressly for perchlorethylene cleaning. You get a re-formed cake automatically after each load . . . adding filter powder only once a day. The Stedy-Flo hydro-extractor recovers maximum gallons of solvent from spent powder. To top it off, clothes are cleaner too!

Also, the famous Detrex Process divides the load—one machine for thorough cleaning and the other for thorough solvent recovery from the clothes. This doubles the number of loads per hour, giving fast service at lowest cost without disrupting work flow or lowering quality. Remember—fast service is the industry's biggest new business builder.

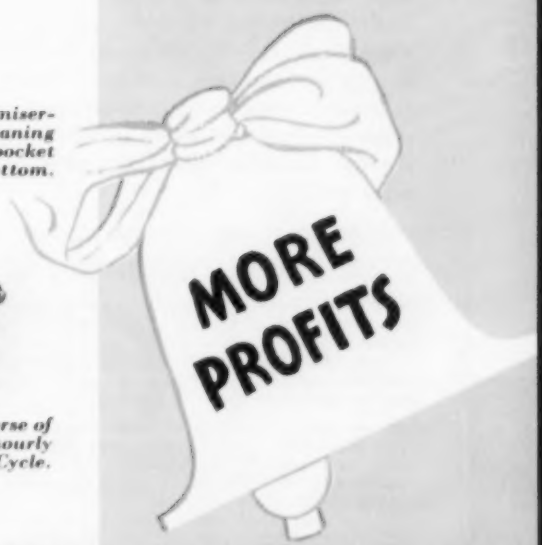
Then there's Detrex Two-Bath quality that virtually eliminates re-runs and wet cleaning—even on light colored garments. Hand spotting is reduced to a minimum. This saves time and dollars for you—in other words . . . MORE PROFIT.

Combine fast service plus color-bright, luxury-soft Detrex cleaning quality, and you have the answer for a bigger volume of higher-profit business. Every time your cash register rings, Detrex equipment is giving you more profit per sale dollar . . . and more sales too!

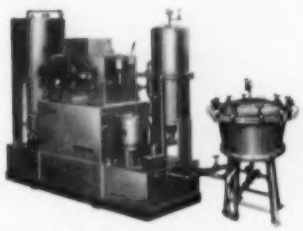
Mail the coupon at the left for complete details without any obligation on your part.







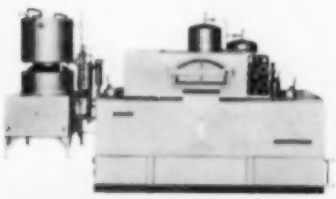
a DETREX for every size plant . . .



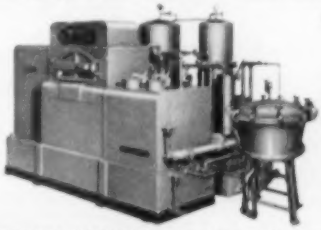
DETREX CORONET—*to build a bigger business future with low initial investment. Standard or Two-Bath Cycle.*



DETREX SYNTH-O-SAVER—*the miser-like running mate of all Detrex cleaning machines. Puts extra profit in your pocket as it keeps your solvent cost at rock-bottom.*



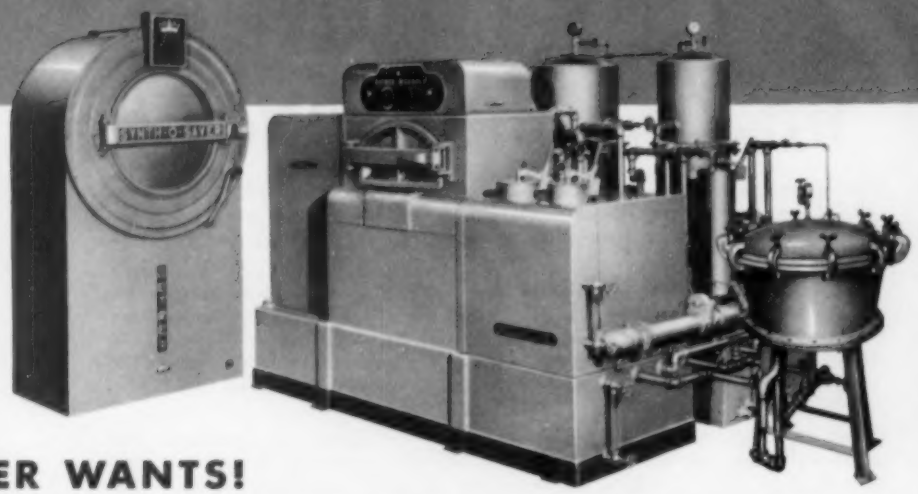
DETREX AMBASSADOR—*if BIG volume is your requirement, the Ambassador tops them all with over 200 lbs. hourly capacity with Two-Bath Cycle.*



DETREX MONARCH—*the work horse of the industry with over 100 lbs. hourly capacity. Standard or Two-Bath Cycle.*

See DETREX *Profits in Action*—NEXT PAGE

THE NEW DETREX STEDY-FLO TUBULAR FILTER



THIS FILTER SYSTEM *Includes Everything* A DRYCLEANER WANTS!

- *It increases production efficiency*
- *It improves cleaning quality*
- *It gets maximum efficiency from filter powder*
- *It recovers all but the smallest fraction of solvent*
- *It recovers all but the smallest fraction of soap*
- *It increases profits*

The new Detrex Stedy-Flo tubular filter system has been designed expressly for perchlorethylene operation. It is an integral part of all Detrex models.

The Detrex Stedy-Flo provides a near constant rate of filtration because the tubes are flushed after every cleaning cycle. You can maintain a near constant rate of filtration and flow of solvent at all times, thus insuring constant production and "top" cleaning quality throughout the day.

Solvent recovery is accomplished after several days' operation in a separate unit, the solvent hydro-extractor. Virtually all the solvent and your soap as well are recovered without interfering with operation of your machine. Residue is quickly removed as a practically odorless cake —proof of the efficiency of solvent and soap recovery. Since no heat is required, there is no odor problem.

Solvent is extracted from the spent filter powder by a separate hydro-extractor. This unit is a part of the Stedy-Flo filter system, but at the same time operates independently allowing you to recover solvent while the drycleaning machine is in operation. You never have to tie up your production while recovering those precious extra gallons of solvent.

Detrex Stedy-Flo filter not only provides better control of cleaning quality, steady rate of production, new heights in economy of operation—it does more, too! It eliminates every bit of the labor of removing filter bags and recovering solvent. Stedy-Flo is standard on all Detrex machines, and will be available for conversion on older Detrex machines.

Detrex machines give you top-notch cleaning quality all the time. You will have less wet-cleaning, fewer re-runs and hand spotting—all of which adds up to faster production.

YOUR LOCAL DISTRIBUTOR

Your local Detrex Distributor is a well established business man in your locality. He is trained to know and explain the Detrex Process. He is intimately acquainted with drycleaning and the drycleaning business. He has available complete facilities and qualified personnel to give you prompt, efficient service.

Rely on him for all your drycleaning equipment needs. Your guarantee that he will serve you well lies in his desire to maintain the highest business reputation in your locality. He not only is doing business there today but for many years to come.

DETREX CORPORATION
Dept. QQ-500a
Box 501, Detroit 32, Michigan



A portion of the thousands who heard the Columbia-Southern Perchlor story at Columbia-Southern's N.I.D. Booth in Chicago.

Get more with PERCHLOR

Columbia-Southern Perchlor is a proved performer and profit-maker in quick service dry cleaning.

Perchlor not only gives you finest results, but you get maximum mileage, too.

Columbia-Southern Perchlor is manufactured to highest standards at our modern plant in Barberton, Ohio. Columbia-Southern, an experienced chemical producer for over half a century, is the leading merchant producer of chlorine (the basic raw material in perchlorethylene).

Columbia-Southern Perchlor is available through distributors selected for their alertness and good service. There is one in your area.

COLUMBIA-SOUTHERN CHEMICAL CORPORATION

SUBSIDIARY OF PITTSBURGH PLATE GLASS COMPANY

ONE GATEWAY CENTER, PITTSBURGH 22, PENNSYLVANIA

DISTRICT OFFICES: Cincinnati • Charlotte • Chicago • Cleveland • Boston • New York • St. Louis Minneapolis • New Orleans • Dallas • Houston • Pittsburgh • Philadelphia • San Francisco

IN CANADA: Standard Chemical Limited and its Commercial Chemicals Division

Arrow Gives You Another FIRST . . .

Designed to SELL!

Simple Arithmetic Produced a New Product . . .



ARROW SPONGE PAD + ASBESTALL = THE *NEW* ARROW COVER-N-PAD

U.S. Pat. 2482412

Yes SELL YOUR CUSTOMER THE BEST IN DRYCLEANING PADDING —

ARROW'S COVER—N—PAD.

One complete unit, easy to install, saving your customer dollars and time over ordinary padding and covers.

ASHESTALL—U. S. RUBBER CO., PAT. NO. 1542297

Sizes and shapes for all drycleaning, pressing machines.

Sold through distributors only.

ARROW MANUFACTURING CO.

2924 Terrace
Kansas City, Missouri

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Arrow Supply Co.

Increase

Your Sales

and Profits

with a



Wagner Changeable Copy Display

. . . the most economical method of obtaining new customers and retaining old customers. Effectively feature your "specials" and services.

. . . it is colorful and attractive. Commands attention. Effective both day and night.

. . . the selling message, geared to the season and occasion can be changed regularly— in minutes —with the Mechanical Hand. Eliminates ladders.



complete the attached coupon. It will bring our complete descriptive and illustrative catalog.

WAGNER SIGN SERVICE, INC.

212 S. Hoyne Avenue — Chicago 12, Illinois

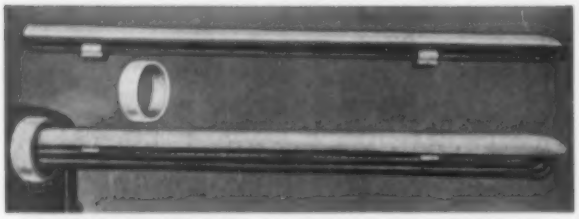
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STREET_____

CITY & STATE_____

Newhouse Products - Built to Better the Best!



Wood Insulator For the Cissell Sleever

Made of finest beechwood, insulator clamps on top of Cissell Sleever. Eliminates use of flannel and asbestos cover. Adds 50% longer life to bag because it rests on the wood insulator when not in use. No burning. Fits into garment shoulder, finishes it without puffing or padding. Permits instant steam with fully diffused moisture. New-type protective connecting collar.

Set only $3.45
Insulator only ... 2.95
Collar only ..... .50

End Weight Guessing with Nu-Weigh Scales

ECONOMY HANGING SCALE $39.75



With Floor Stand add $15.00
The Basket alone 22.00
The Scale alone 18.00

Popular and ideal basket-scale for selling service by weight. Approved by Dept. of Weights and Measures. Capacity up to 100 lbs.

Send for New 1955 Catalogue



DELUXE WATER SPRAY GUN

Simple in design, light in weight and easy to operate. Non-corrosive-all brass, nickel-plated. Connects directly to water line or Little Giant Condensor. Operates on pressure of 40 to 150 lbs. Tested and proven in hundreds of plants. Complete with strainers, hose and suspension rings. **$8.50**



STANDARD SCALE BASKET $69.50

16" x 18" x 32" heavy gauge steel wire basket with removable plastic liner. Capacity 60 lbs. Scale and basket mounted on steel carriage with 3" ball bearing casters. Weight figures are reflected in magnifying mirror and plainly visible without stooping.

COUNTERACK

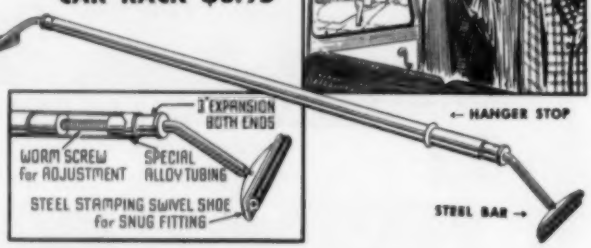
Prevents wrinkling. Keeps cleaned garments from coming in contact with soiled ones. Aids accurate checking. Builds good will.

Counter Model $4.50
Floor Model 4.95



EXPANSION CAR RACK $6.95





Length adjustable in few seconds by simply turning hang bar right or left. Expands 6" to fit any car. No springs to weaken or break. Carries any normal load. Hanger-stop at each end. Pivoting end shoes have rubber insets to protect car upholstery. Bar construction is special heavy alloy, satin finish. Arms and shoes are steel stampings, nickel plated. Ideal for vacation trips as well as commercial uses.



WONDER BRUSH NO. 303 . . . $1.95

All-around brush for use in cleaning plants. Wonderful carding brush for sweaters, furs, coats and suedes. You can't afford to be without the wonder brush. It will give you years of service.

If your jobber cannot supply you write us direct.



Zipper Lacer $1.25

This handy little pull-up tool has number 4 lacers on one end and number 6 lacers on the other end. The tool relaces chain after it is pulled all the way down.

NEWHOUSE COMPANY

3827 San Fernando Road, Glendale 4, California

Why Not Share Prosperity's Prestige for Quality Cleaning?

. . . Start with a **PROSPERITY® 8-A**

(24 MIN. CYCLE)



PROSPERITY 8-A
FULLY-AUTOMATIC
FULL-RECOVERY
SYNTHETIC CLEANING UNIT

Compare
ALL ADVANTAGES!
WIRE OR WRITE TODAY FOR COMPLETE INFORMATION.

COPYRIGHT 1955, The PROSPERITY COMPANY, Inc.

The **PROSPERITY** *Company Inc.*

AUTOMATIC PRECISION PRODUCTION TOOLS for LAUNDRIES, SYNTHETIC CLEANING PLANTS and GARMENT MANUFACTURERS

Registered Trade Mark of The PROSPERITY COMPANY, Inc. Syracuse, N. Y. PROSPERITY®

Main Office and Factory, Syracuse 1, N. Y. Sales, Service and Parts in Principal Cities

...and Here's the Famous **NU-PRO** Soap

... that **GETS MORE CLEANING BUSINESS**

... that affords **ULTRA FINER CLEANING**

CHARGIT

POTENT • POWERFUL • DETERGENT

...the **SUPER CHARGE** for **CHARGE SYSTEMS** that gives **NEW CLEANING EFFICIENCY** with **ECONOMY**

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- HIGHER SOIL REMOVAL
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TRY IT FOR TOP RESULTS

NU-PRO MFG. CO.

2918 WASHINGTON AVE. • ST. LOUIS 3, MO.

SEE YOUR NU-PRO JOBBER . . .
FIELD MEN WILL DEMONSTRATE . . .
OR WRITE US DIRECT FOR TRIAL ORDER

Color bleeding

Ruined sizing, dressings

Difficult spot removal

Stubborn wrinkles, breaks

Sickening fumes

Wasteful evaporation



Fire, explosions

Solvent discoloration

Shrinkage, relaxation, "felting"

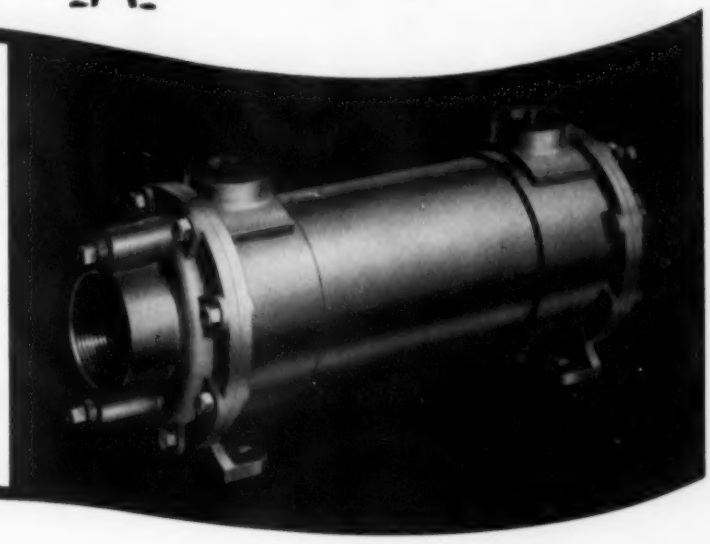
Poor cleaning quality

Lost working hours

Plugged filters

FREE YOURSELF FROM ALL THESE WORRIES

see how this low-cost, little Ross Cooler prevents big risks and losses from overheated solvents



Can you afford the risks of overheated solvents, the high costs of damaged garments, lost time and unhealthy working conditions? Can you ever buy back dissatisfied customers?

IT CAN HAPPEN TO YOU

Find out how a Ross Type BCF Solvent Cooler can give you full protection . . . the same as it has done for hundreds of others. Small, compact and easy-to-hook up, this rugged all copper alloy unit controls solvent temperatures at all times . . . summer and winter. Overheating is *prevented.*

Low in cost, a Ross Solvent Cooler can easily prove to be your most profitable investment . . . especially when you think of all that's at stake: *your money, your time and your reputation!* Make sure you get complete details and prices without delay. Mail the coupon below or call your equipment distributor today.

KEWANEE-ROSS CORPORATION

DIVISION OF AMERICAN RADIATOR & STANDARD SANITARY CORPORATION

1469 WEST AVENUE • BUFFALO 13, N. Y.

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ROSS



SOLVENT COOLERS

KEWANEE-ROSS CORPORATION • 1469 West Ave., Buffalo 13, N. Y.

Rush literature and prices on your solvent cooler at no obligation to me.

Name _____ Title _____

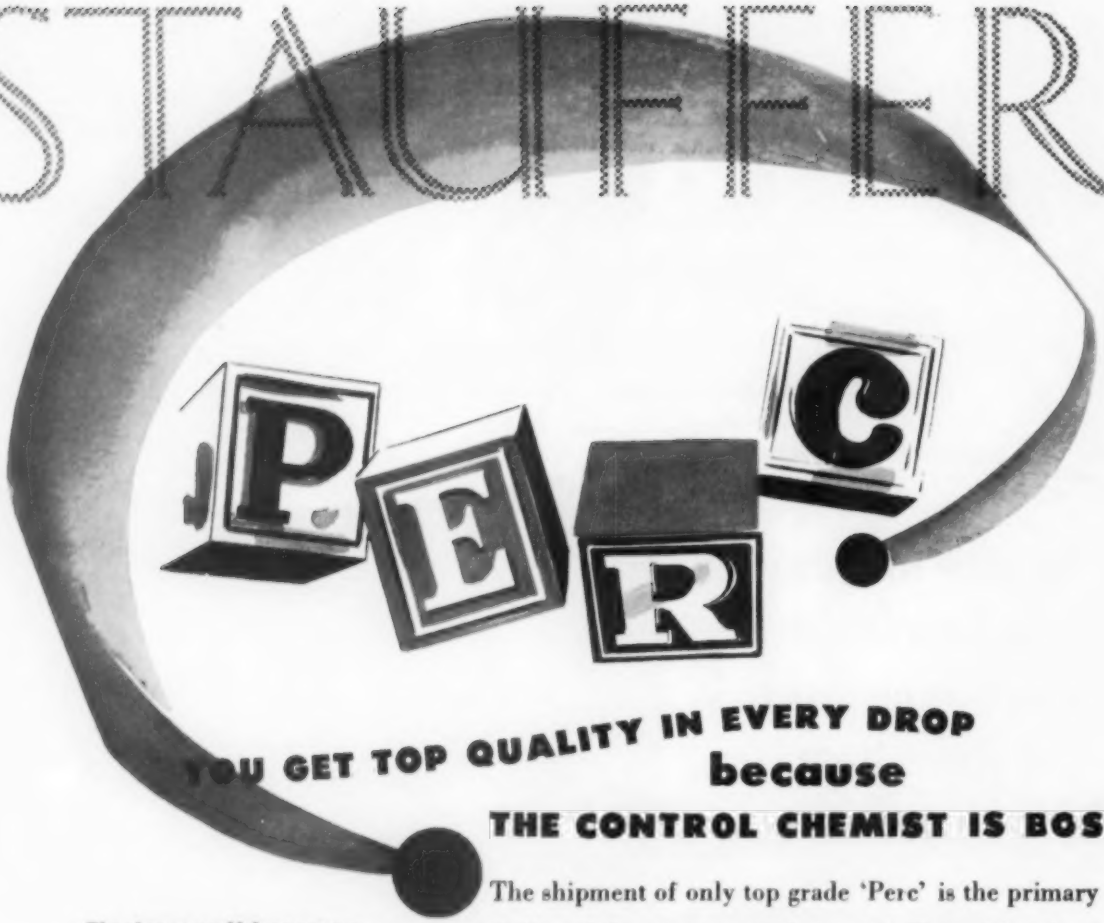
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Serving home and industry: AMERICAN-STANDARD • AMERICAN BLOWER • CHURCH SEATS & WALL TILE • DETROIT CONTROLS • KEWANEE BOILERS • ROSS EXCHANGERS • SUNBEAM AIR CONDITIONERS

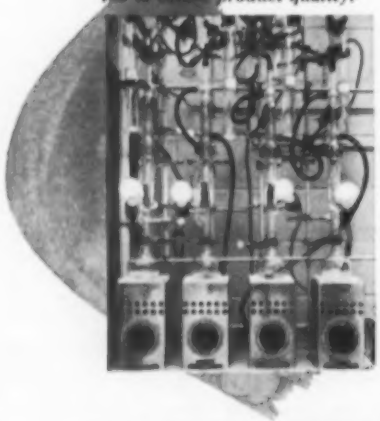
STAUFFER



YOU GET TOP QUALITY IN EVERY DROP because THE CONTROL CHEMIST IS BOSS

The shipment of only top grade 'Perc' is the primary responsibility of the plant control chemist. He and he alone approves the quality in accordance with the specifications which have been established by the Research and Marketing Departments.

The plant control laboratory supplements the work in the research lab to control product quality.



When Stauffer Dry Cleaners' Grade Perchlorethylene is delivered in distinctive blue striped drums, you know that the quality is uniformly high — to the very last drop! Its purity insures "none-better" cleaning performance. Therefore, ask your distributor about supplying you with Stauffer 'Perc'.

STAUFFER Stauffer CHEMICALS

CHEMICALS SINCE 1885

380 MADISON AVENUE, NEW YORK 17, N. Y.

221 N. LaSalle St., Chicago 1, Illinois • 636 California St., San Francisco 8, California

326 S. Main Street, Akron 8, Ohio • 824 Wilshire Boulevard, Los Angeles 14, Calif. • 8901 Hempstead Road, Houston 8, Texas • North Portland, Ore. • Weslaco, Texas • Apopka, Fla. • Lubbock, Texas

Meet American's Perc, Pete & Press...

the Pioneers!



who say . . .

"You can take it from us, we're rough and tough pioneers. Nothing thrills us more than a challenge. And with American we're always blazing new trails. We're making it easier for *you* the dry cleaner to march toward new horizons in better, more profitable dry cleaning methods.

"In the next few pages we will show you how our pioneering is helping *you*. Always look to American for what's new and best in dry cleaning equipment."



You can depend on your American Representative's advice in your selection of equipment from the complete American Line. Backed by our many years of experience in planning and equipping dry cleaning plants, he can help solve your production problems. Ask for his specialized assistance anytime . . . no obligation.

For more information mail this coupon today!

AMERICAN CLEANERS EQUIPMENT CO. ALM-316
Division of The American Laundry Machinery Co.
Cincinnati 12, Ohio

Please send free illustrated literature on subjects checked.

- ☐ American Truclor Two-Bath Dry Cleaning Unit.
- ☐ American Trucleen Two-Bath Dry Cleaning Unit.
- ☐ ACECO Air-Driven Press.
- ☐ Have Representative call.

NAME _____

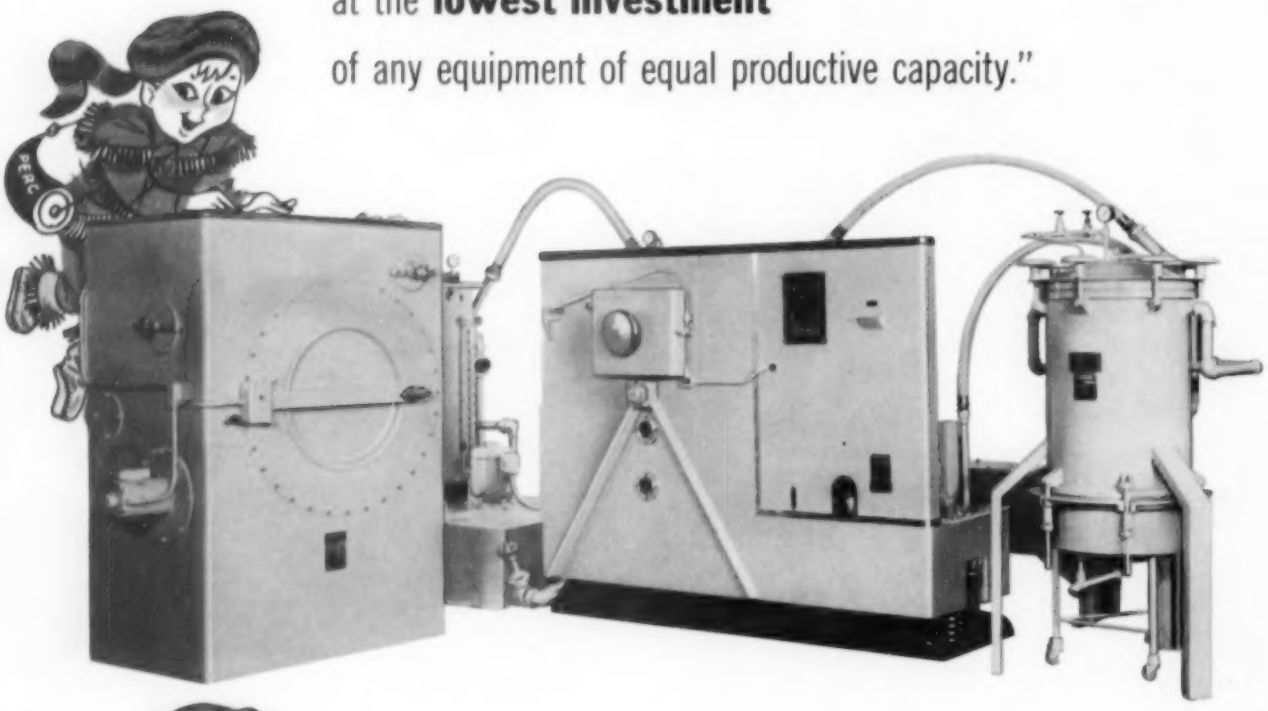
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ADDRESS _____

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"I pioneered the American Truclor 2-Bath Perchlor Unit!

. . . giving the industry a two-bath perchlorethylene unit at the **lowest investment** of any equipment of equal productive capacity."





"We designed the American Truclor Two-Bath Unit to give you all the advantages of fully controlled two-bath cleaning with super-strong soap solution in a simple, economical perchlorethylene unit.

"This amazing Truclor will produce up to 125 pounds of automatic, quality cleaning per hour with *maximum* savings in labor and supplies . . . and at the *lowest investment cost* on the basis of per pound of production!"

"Let's scout some important advantages of the American Truclor Unit."

Easy Installation. No underground tanks needed with TRUCLOR'S built-in, above-ground solvent storage. Isovibe anti-vibration control eliminates need for special bolting or foundation.

Cleans Two Classifications of Work at same time.

Cuts Spotting and Wet Cleaning to the bare minimum.

Fully Automatic Operation drastically reduces labor costs in the cleaning room.

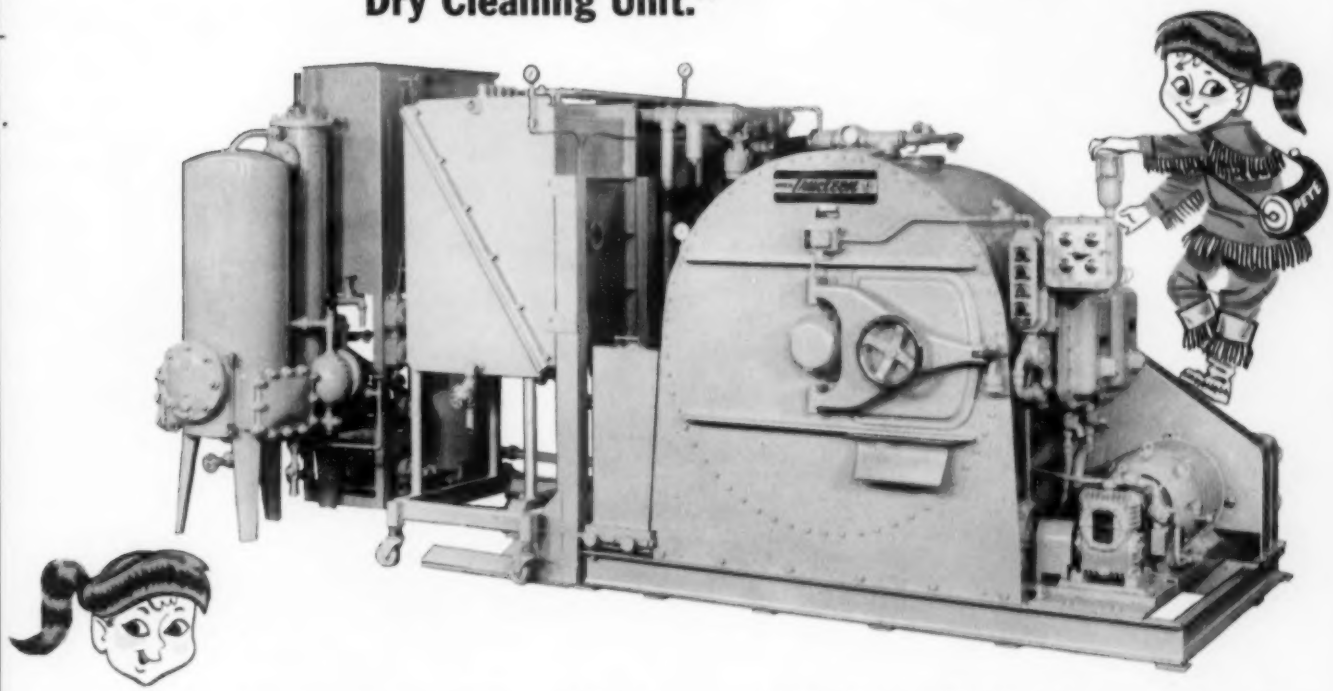
Highest Possible Solvent Recovery with Perclor-Saver Tumbler and stripping operations of Filter-Still and Strip Distillation Unit.

"If you want the 'tops' in two-bath perchlorethylene cleaning, make it a point to find out more about the American Truclor at no obligation . . . just check the coupon. We will send you complete details . . . Pronto!"

"I pioneered the original two-bath cleaning system

. . . giving dry cleaners the

American Trucleen 2-Bath (Petroleum Solvent) Dry Cleaning Unit."



"This unit uses a super-strong soap solution in Stoddard Solvent to give you two-bath dry cleaning of the finest quality.

"We put our heads together on this one to provide an automatic two-bath operation. You get greatly reduced labor costs and uniformly high standards of dry cleaning of all types of work.

"The American Trucleen makes possible the use of a soap solution 5 to 50 times stronger than has previously been possible without high labor and excessive soap costs. Highly concentrated soap solution can be used in the Trucleen *with no increase in over-all soap use*. This improves cleaning quality, cutting wet cleaning and spotting costs."

"Explore these outstanding features of the American Trucleen Unit"

Cleans 180 lbs. of 3 Different Classifications of Work Per Hour.

Cleans, Extracts, Rinses and Extracts in Straight-Through, Automatic Cycle.

Processes Work in 2 Separate 300-Gal. Solvent Baths, each continuously filtered at the rate of 100 gals. per minute.

Specially Designed Filters with solvent inlets at bottom . . . precoat and filter cake held on leaves during shut down . . . filter cake removed in dry form.

Continuous Distillation maintains uniformly low soap and soluble soil content of rinse bath.

Find out how you can improve your dry cleaning by installing an American Trucleen 2-Bath Cleaning Unit. Check the coupon. We will send you complete details . . . at no obligation . . . Quick as a flash!



"Me? I pioneered the revolutionary <u>new twin head control</u>

that makes all other presses old-fashioned!"



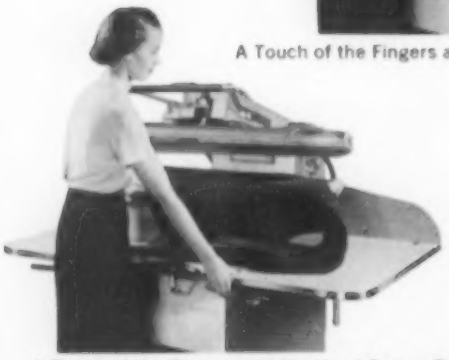
"We did something here that was never done before. Developed a press with *two separate head controls!* A Bar-Handle Control on the head AND new Table Control Bars (one on each side) for effortless fingertip operation. Beginners and old-timers alike now have a press they can "relax" with.

"This ACECO Air-Driven Press has many advantages over other presses. Faster steaming from both the head and buck because *steam flow is more direct than on any other press.* And a finger touch on the Double-Handle Steaming Control starts head steaming as the head lowers. No lost motion, speeds up pressing."

The press with the light touch!



A Touch of the Fingers and the Head Comes Down!



A Touch of the Fingers and the Head Comes Down!

Mail Coupon for the Aceco Press Story.
We will send complete details
. . . at no obligation . . . FAST!

PERC, PETE & PRESS
will be around for a long time giving you the latest in dry cleaning advancements.

American

American Cleaners Equipment Co., Cincinnati 12, Ohio
Division of The American Laundry Machinery Company

World's Largest, Most Complete Line of Dry Cleaning and Laundry Equipment

Printed in U.S.A.

ALM-316

Whatever method you use, remember this:



time-tested

Magnesol*

the "Chemical Magnet"

Pulls Impurities Out of Solvent
Helps You Do 100% Quality Cleaning in Pure, "Sweet" Solution

Regardless of "soap" or "system," soluble impurities brought in with the clothes *do* build up in your solvent. Only way to keep the build-up *below* the troublesome point is frequent distillation or economical MAGNESOL® Brand Magnesium Silicate, the patented adsorbent.

Both cost you about the same . . . both do the job. But MAGNESOL does it *continuously* . . . which is very important to you.

With MAGNESOL you do quality cleaning *all* the time because you're always using clean, clear, "sweet" solvent. You don't re-deposit odor-forming bodies removed from one load onto the next. You never have to worry about excessive "build-up" of foulness in your "charge"... or contaminated rinse solvent ... or polluted extractions... or other quality complaints from solvent troubles in any "system" or machine.

Our handy "How to Use Magnesol" Bulletin gives full instructions for "batch system" and "charged system" use. We'll be glad to send you one. Better still, ask your jobber to send it with your order for MAGNESOL.

*MAGNESOL is the registered trade mark of Food Machinery and Chemical Corporation for its brand of magnesium silicate adsorptive powder, made by patented processes.



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Westvaco Chlor-Alkali Division
FOOD MACHINERY AND CHEMICAL CORPORATION
General Offices - 161 East 42nd Street, New York 17
CHARLOTTE, N. C. • CHICAGO, ILL. • DENVER, COLO. • PHILADELPHIA, PA. • ST. LOUIS, MO.

EDITORIALS

Reweaving Racket

Schemes to fleece the housewife are a dime a dozen. A new one—at least it's new to us—has come to our attention through a recent bulletin of the National Retail Dry Goods Association. Although drycleaners are not directly involved, you may be hearing about it.

Lots of women like to make a little extra money through work such as addressing or sewing that they can do at home. In this particular swindle, an ad was run in a local paper offering women an opportunity to earn $35 to $40 a week in their spare time. Women who replied received a letter from a Newark, New Jersey, outfit saying that a salesman would call soon.

In a week or so the salesman checked in, offered the ladies an exclusive franchise for reweaving in the town and sold them a reweaving machine and an instruction book. He stated that there was plenty of reweaving volume from drycleaners. He had checked with the cleaners, he said, and would even pick up the work, deliver it to the home, and return it to the cleaner when the work was finished.

The contract that the salesman got the ladies to sign was quite a different proposition. It stated in the first paragraph that the contract was nonexclusive, said nothing of arrangements with any drycleaners, and nothing of pickup and delivery of garments. It simply said that a reweaving machine had been purchased for $39.50, that a down payment had been received and that the balance was to be C.O.D. It also stated that the contract was noncancellable.

In the particular town where the swindle was attempted, Elkhart, Indiana, the Better Business Bureau and the district attorney are interceding to have the contracts thrown out for misrepresentation.

Tell Your Banker

Recent word from Dun & Bradstreet is good news for cleaners who may be trying to negotiate loans. For years bankers and credit people have been saying drycleaning is an unstable business because "there are so many marginal, hand-to-mouth operators in it."

D & B has prepared a tabulation showing the failure pattern of laundries, drycleaners, and dyeing and repairing establishments for the past 15 years. The failures in the cleaning and laundering industries during 1954 account for only 0.37 percent of the 11,086 businesses of all types which failed last year. Says Dun & Bradstreet, "The failure rate of 16 per 10,000 operating concerns in the laundry and cleaning industry in 1954 compares favorably to the over-all failure rate of 42 per 10,000 concerns of all types."

To Serve You Better

We have made some staff changes that will be of interest to many of you. We're especially proud of them in that they reflect our efforts to be of greater service to readers and advertisers alike.

Here's what's happened. Lou Bellew, who for a decade has been our resident Midwest associate editor, is moving to the West Coast to hold down an even bigger beat. Until this change, our staff coverage on the Coast has been limited to periodic visits. Now we'll be seeing far more of you operators in the Mountain, Northwest and Coastal states.

Hank Mozdzer, whom many of you already know, will take over Lou's territory as Midwestern editor, headquartering in Chicago. Hank has been working out of our New York office for two years, and has more than demonstrated his ability to handle his new and greater responsibilities.

There have been some important changes in our advertising department, too. Ed Korbel, who has headed our Western advertising office in Chicago for eight years, is returning to New York as advertising director. This is a new post and means far more responsibility for Ed in that he will be in charge of both the New York and Chicago advertising departments. His many friends in the Midwest will still be seeing a great deal of him.

Bill Crompton, formerly our Eastern advertising manager, has been named advertising director of *Sports Age*, a recent addition to the Donnelley Business Papers Division. Bill will continue to call on NATIONAL's advertisers in the South and Southwest.



LOU BELLEW



HENRY MOZDZER



ED KORBEL



BILL CROMPTON

BISHOP WORK SAVERS

FOR MORE PRODUCTION AT LOWER COST



DrycoMatic
THUMB-OPERATED
STEAM-ELECTRIC IRON

Makes hand-finishing 20% faster . . . 10 times easier. Cuts fatigue in half by eliminating pedal operation. Simplifies training.

Complete with cord, hose, solenoid, valve, pilot light, separator, mounting bracket. No. 6330-A (3-lb.) or 6360-A (6-lb.) $85.00.

BISHOP BAG-O-TEER

Bags more garments faster . . . no walking, reaching, lifting

Every aid to efficient, effortless bagging right at the operator's fingertips in one compact and complete unit.



Bagger, Bag Racks and Desk Combined

Holds dress bags, suit bags and pants bags in position to slip down over garment. Saves time, space and money. Thousands of users. Model B30-2, $99.00.



BISHOP CLOTHES CARTS



Model B2-100, now only $29.50 ea.

Fastest, lowest-cost way to speed work to spotters, pressers

Cut out bending and lifting . . . let your production ROLL from one operation to the next in half the time, at half the cost. All-steel, hold 150-200 lbs. Neoprene wheels.

FROM TUMBLERS



TO SPOTTERS



TO PRESSERS





FINISH SHOULDERS BETTER . . . 3 TIMES FASTER with a

Dryco UTILITY SHOULDER PUFFER

Tough finishing jobs made easy. Finish shoulders far better in one-third time of old "buffing" method. Saves 4 times its cost each year. Needed in each finishing unit. Only 14"x16" space.

Model 1015 (illustrated) for women's and Men's Shoulders & Sleeves, $65.00.

Instant Moisture . . . Where you want it . . . When you want it

DRYCO E-Z SQUEEZE WATER SPRAY GUN



Unsurpassed for high-speed dampening of all fabrics. Needed at every press and finishing unit. Adjustable for controlled spray of fine mist. Non-drip. Model F, complete, only $10.95.



SORTING BY THE FOLDERS INCREASES PRODUCTION 50%

Reduces Mix-Ups, Speeds Service. Ten-Bin Unit Lets Any Plant Use Small Lots

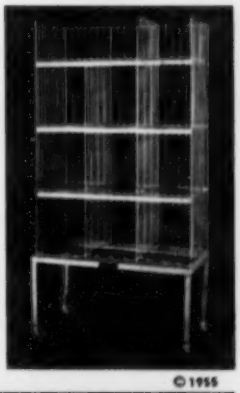


Operator sorts as she folds . . .



Bundles are then ready for wrapping

Compact Bishop 10-Bin Unit eliminates the time, space and cost of separate sorting. Write for details. Model B29-1010, $69.00.

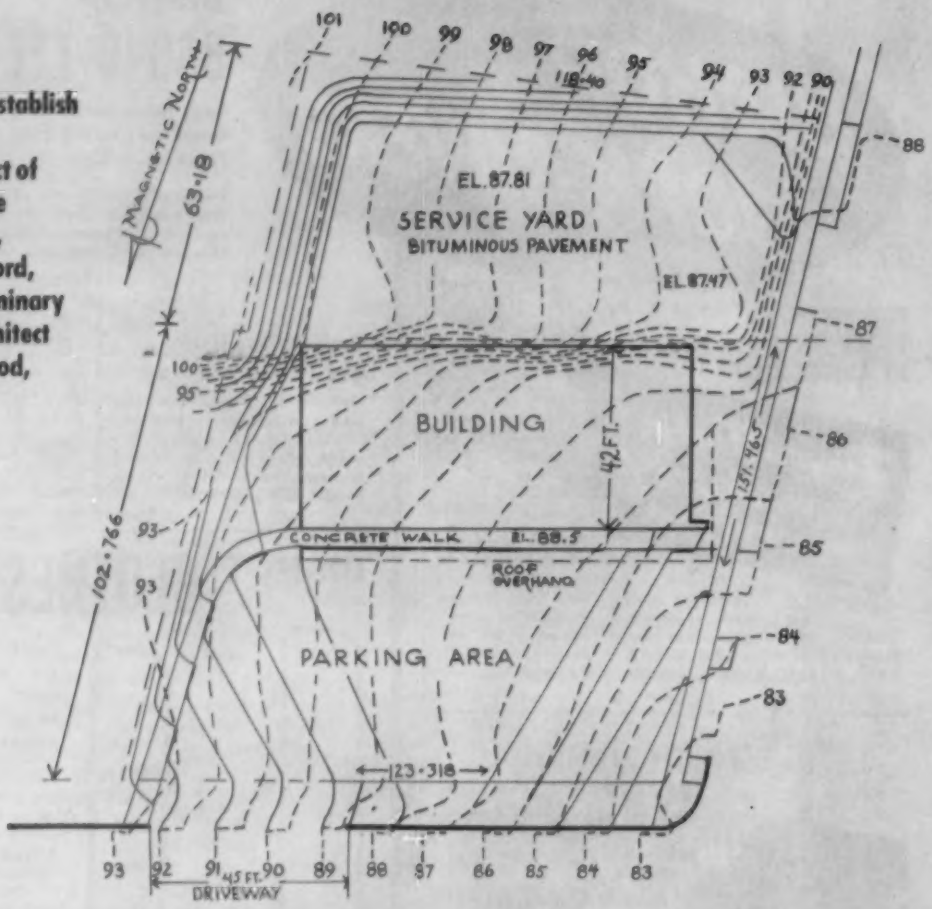


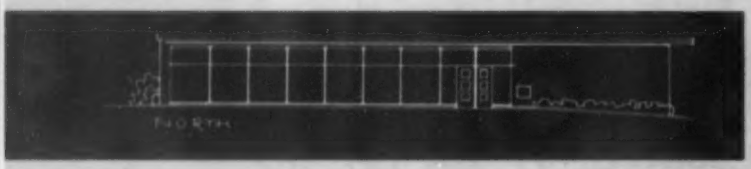
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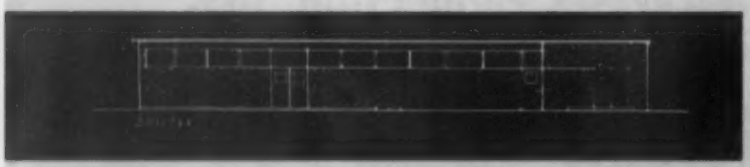
Dryco DIVISION OF G. H. BISHOP CO.
EVANSTON, ILLINOIS

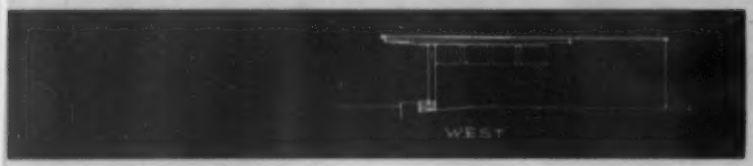
G. H. BISHOP CO.
MANUFACTURERS SINCE 1893 EVANSTON, ILL.

PRELIMINARY DRAWINGS establish the form of the plant. They represent the creative aspect of the architect's function. The plant on the opposite page, Fonda Drycleaning, Stamford, Conn., grew from the preliminary drawings on this page. Architect was E. Dearborn of Sherwood, Mills & Smith, Stamford

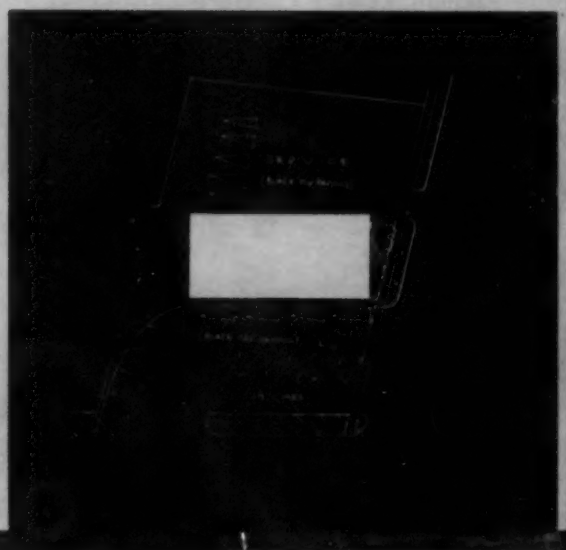








Plot plan above shows location of building on plot. Dotted lines show plot contour before grading. Solid lines show contour after grading





How To Do Business With Architects and Builders

THERE ARE about 34,000 drycleaning plants in this country. Not one, to our knowledge, has ever been shown in the pages of the national architectural magazines. These magazines have run plenty of articles on barns, stores and commercial buildings of all types, factories, even incinerators, but never one on a drycleaning plant. Laundries have achieved a little more recognition. Two have made the grade.

We make this point not because it is of any particular importance in itself, but to indicate that cleaners and architects have had little to do with each other in the past. This is unfortunate from both points of view. Cleaning plants and stores, with some notable exceptions, are undistinguished. If you compare the average cleaning outlet with the average retail outlet, you'll note that our industry is pretty far behind.

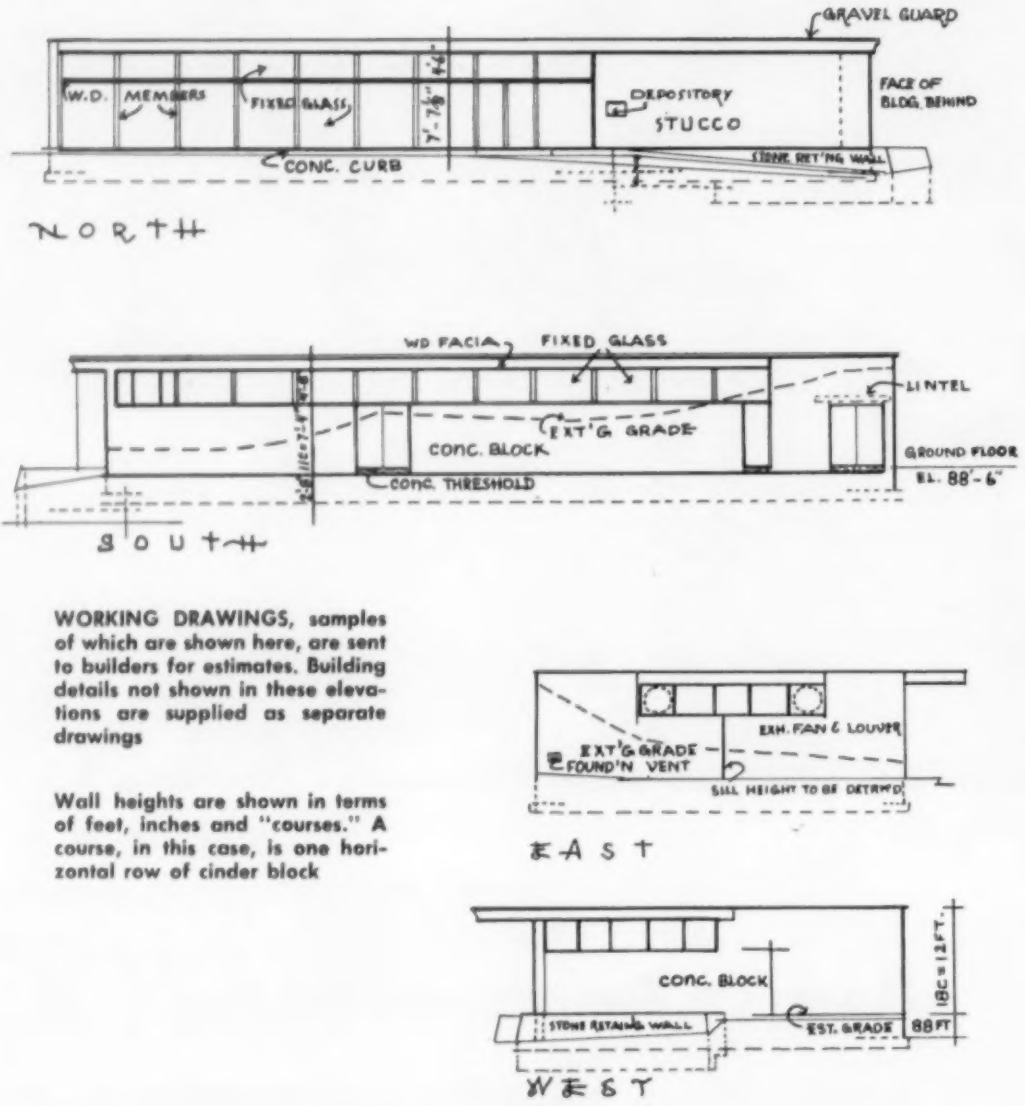
From the architects' side, their public relations have been pretty bad. Most of us still think of architects as a class of artists interested only in monumental buildings, who charge tremendous fees, who wouldn't be interested in dealing with anything as mundane as a cleaning plant or store.

This is not true, and the architects are beginning to wake up to the fact that most consumers and small businessmen know practically nothing about architecture as a profession.

What is an architect, anyway? First of all, he's a professional, like a doctor or lawyer. He's been through college and at least one and more likely three years of postgraduate training; has served an apprenticeship of at least three years, and (in most areas) has had to take a state examination.

(*Continued on page 72*)

WORKING DRAWINGS



WORKING DRAWINGS, samples of which are shown here, are sent to builders for estimates. Building details not shown in these elevations are supplied as separate drawings

Wall heights are shown in terms of feet, inches and "courses." A course, in this case, is one horizontal row of cinder block

(*Continued from page 71*)

If he passes, he is certified or registered by the examining board of the particular state. He may belong to the American Institute of Architects, an organization comparable to the American Medical Association.

He knows buildings and construction backward and forward. He knows how to take best advantage of a particular site. He knows how to plan buildings for long-term usefulness, low maintenance cost, and beauty. He will see to it that you get full value for your money and, in many cases, will save you money.

What do architects do, and how much do they charge? An architect's services vary according to the particular circumstances.

Usually the architect is hired to do a complete job. Let's say that you need a new drive-in plant, and want your architect to help you from the very beginning. You have told him what you can spend, and outlined your requirements.

The first problem is one of location. You will undoubtedly have a lot of ideas of your own on the subject. If you have narrowed your choices down to three or four locations but have not as yet made a final decision, your architect can be very helpful in telling you which would be best suited to the proposed building. He will check into zoning regulations and codes covering drycleaning establishments. He can help you to obtain traffic data, may know of plans for new residential developments. In cleaning-plant locations it is generally figured that the cost of the land should be about one-third to one-fifth of the total cost. An expensive building on an inexpensive lot, or the reverse, makes for a poor long-term investment.

When the lot is selected, the property will be surveyed and test borings will be made if there is any question about foundations and excavation.

The next step is to prepare preliminary drawings. These will indicate the shape of the building; its position on the land; division of space inside, including store, production area, washrooms, storage facilities, boiler room; and workflow.

On workflow and position of equipment you will undoubtedly want to work with the equipment manufacturer or whoever is laying out your machinery.

When the preliminary drawings have been checked and double-checked, and when you are satisfied with them, the operation moves into high gear.

The architect now prepares a complete set of working drawings and material specifications which he sends out to three or four contractors for bids on the plant construction. When the bids come in, he advises you on the choice of a contractor and assists in drawing up construction contracts for you to sign. The architect is now your representative to the contractor. He visits the site frequently to see that the workmanship is as contracted for. He checks the contractor's bills as they come in and keeps a running account of building costs.

Considering the services rendered, your architect's fee will be surprisingly low. On commercial buildings it usually ranges from 5 to 7 percent of the construction project cost. If the job is one of remodeling or installation of a store or plant in an existing building, his payment would probably be charged on a cost-plus basis.



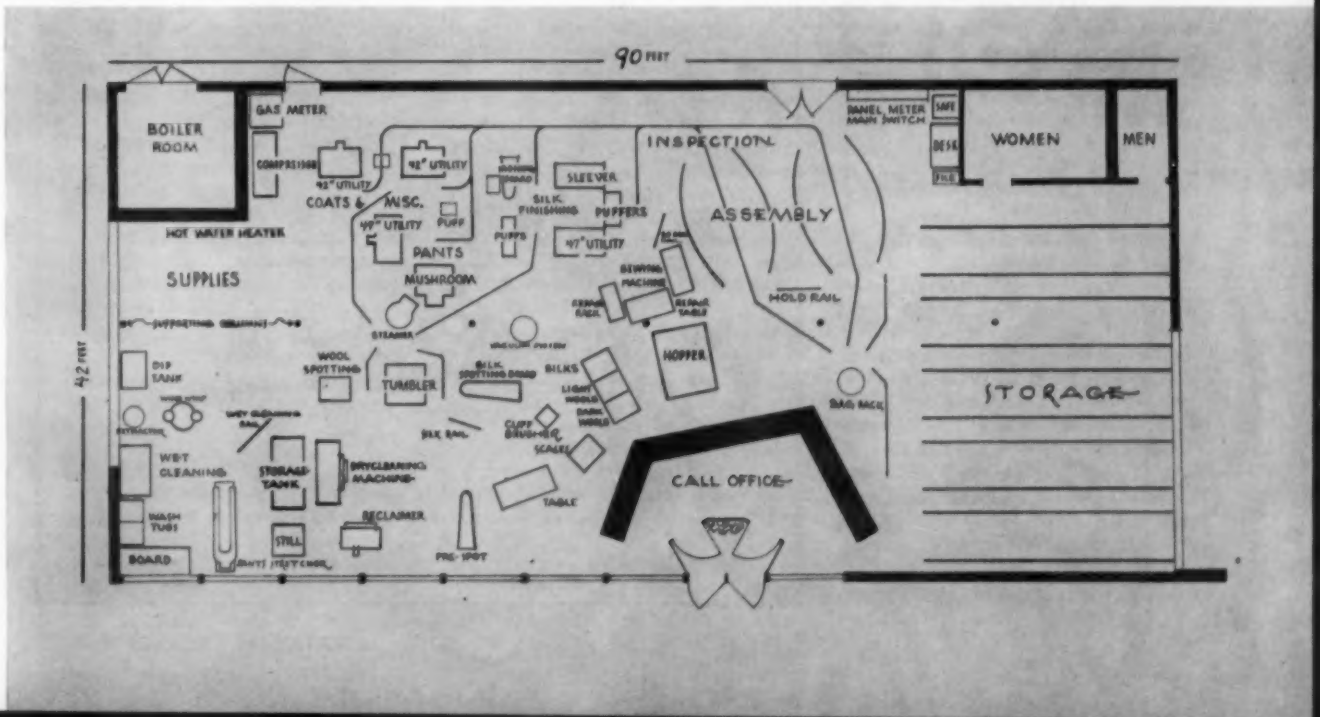
You'll be working closely with your architect.

It is not necessary to hire an architect to do the entire job. If a design and a set of blueprints are all you need, you can purchase that service alone. If you wish an architect to supervise construction of a building designed by someone else, that service is available.

Architects, like the rest of us, are not perfect. If you hire an architect and, somewhere along the line, want to discontinue his service, there is no law against settling up with him and hiring somebody else.

How do you find an architect? There are any number of way. Ethical architects, like ethical doctors and lawyers, do not advertise. You have

EQUIPMENT LAYOUT was drawn by architect Dearborn but was based on plans provided by owner Douglas Fonda, who consulted with NID and allied trades firms. Architect suggested circular workflow shown. Basic plumbing and electrical supply outlets were indicated on separate drawing



to ask around. You can ask other cleaners for the names of architects they have used. You can check with the local chapter of the American Institute of Architects. Most chapter offices keep records of the types of buildings their members have worked on, and the secretary will be glad to give you names of any whose experience you have specified. Your bank has had plenty of dealings with architects and can undoubtedly give you names. If you see a building that you admire, it is no problem to find out who designed it. Your builder can be helpful.

When you have made up a list of names, the thing to do is to call on the architects. When you talk to them, there are a couple of points that you should keep in mind. One is that architects do not make free sketches for prospective clients. Sketches sum up the whole concept of the building and require a lot of thought and study. If the man whips up half a dozen or so while you sit at his desk, you have a pretty good indication that he'll be equally careless later on.

Another point is that ethical architects do not compete on the basis of prices. Their fees are fairly standardized. You shouldn't shop around for a cheap architect any more than you should shop around for a cheap doctor. In this connection, remember a point on cost estimates. Architects can and sometimes do make preliminary estimates after you have hired them, but the only estimates that really count are those that the architect gets from the builder. Some of the top architectural firms refuse to make estimates. The builder is the man who quotes costs.

You can and should ask an architect to tell you about himself. You should ask to see samples of his work. When you have talked with as many as you choose, make your decision on the basis of how well you think you can work with him, how you like the jobs he has done in the past, his stature in the community, whether or not he is financially responsible.

When the job is finished, you should have these things:

1. A building with pleasing lines, whose appearance expresses *your* service. It should be well designed. It should (with proper maintenance) look as well 10 or 20 years from now. You should have no worries about early obsolescence or rapid deterioration.

2. An efficient building. It should be easy to maintain, well ventilated, built with your future as well as present needs in mind.

3. A building with a higher resale value in the real estate market and a higher appraisal value on the mortgage market.

4. An advertisement that works for you around the clock, seven days a week, all year through.

Your contractor

The contractor is the man actually responsible for the construction of your plant. He hires the labor, buys the materials, obtains building permits, is generally responsible for the conduct of the work and quality of workmanship, subcontracts where necessary on such specialties as wiring, plumbing, steamfitting, etc. He must plan deliveries of supplies so that they arrive as needed. He must make sure that the electricians don't show up when the masons are supposed to be on the job, and vice versa. His job requires a lot of coordination and management. On small commercial buildings—which covers most drycleaning plants—he figures on a profit of about 10 percent.

If you have already hired an architect, selecting a contractor is relatively simple. Your architect is supposed to give you the right advice. If you aren't using an architect, reputation and recommendation are what you have to go on. Your banker may be able to help you a great deal.

Building contracts vary. Usually the builder submits a figure for which he will do the job stipulated in the contract. The contract may include a time clause, requiring that the job be completed by such and such a day. If the builder is low on his estimate, he makes up the difference. If he manages to do the job more economically than he estimated, he pockets the difference.

During periods when building and labor costs fluctuate widely almost from day to day, builders may require a cost-plus contract which leaves the owner uncertain as to the final cost of the work. You shouldn't have to accept such a contract now.

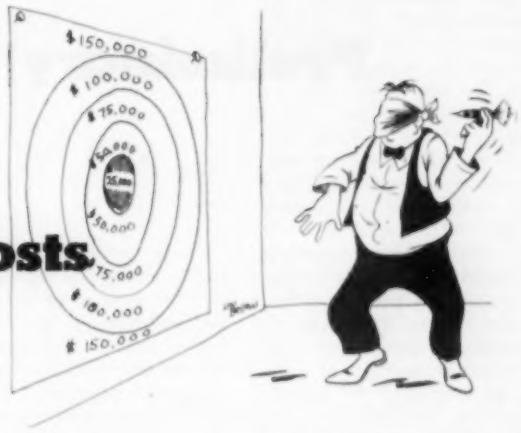
Builders usually require payment as the job progresses—either monthly, for the work done the previous month, or at stated stages of building progress. If you haven't been as smart as you might have been in the selection of a builder, suppliers or labor may go unpaid and slap liens against your property. Your architect, as part of his job, checks performance, certifies proper completion of the work, obtains lien releases, and generally watches out for your interests. Final payment is not usually made until you are sure that no liens exist. With a reputable builder the problem of liens will not come up.

A pointer on what is expected of you as work is in progress: Unless you are contracting the job yourself, a proposition that few cleaners have the know-how to tackle, you shouldn't run around giving orders or making suggestions. You are paying the architect and contractor to handle this department. Changes in the plans, once the working drawings are prepared, are very, very expensive. Don't OK the preliminary drawings until you are sure they are right. After that, try to keep quiet. # #



Don't bother builders. They know what they're doing.

How To Estimate Costs



ACCURATE COST ESTIMATING is a science. In the normal course of construction or remodeling, a cleaner is best advised to accept the estimates of a dependable builder. Professionals usually estimate costs in one of three ways.

If your architect gives you a preliminary cost estimate, which is really nothing more than an informed guess, he will probably use the square-foot or cubic-foot method. Multi-story buildings are usually figured with the cubic-foot method; one-story buildings by the square-foot system.

In each case, the architect has compiled data on buildings of similar construction. This data takes into account current labor costs, general type of materials, the locality, season, and a number of other factors. From your discussion with him, he has a pretty close idea of what the building will be like. If your building will cover about 3,000 square feet, let us say, and the type of construction will cost approximately $12 a square foot, he can tell you that the building itself will cost about $36,000. His guess will probably include a margin for error of about 10 percent.

On remodeling jobs, the square-foot or cubic-foot system can't be applied. In these cases the builder uses the in-place unit cost system, which works like this:

sum total of material costs
plus sum total of labor costs
plus overhead and profit
equal total building cost

To make such an estimate naturally requires a detailed set of specifications, a thorough knowledge of building techniques, a thorough knowledge of material costs, and a good idea of labor rates.

Builders usually prepare quantity and cost estimates on which their bids are based. Each section of the job is figured separately—excavation, foundations, concrete work, masonry, carpentry, wiring, plumbing, roofing, interior finishing, landscaping, etc. The sum of the sections gives the total. If the bid must be adjusted before contracts are signed, only the particular section involved need be affected.

Most cleaners, obviously, do not have the data on which to prepare their own estimates. If you have had some building experience and want to try your hand at it, there are a number of books on the subject. The best that we've seen is called "Building Practice Manual," by Roy S. White, published in 1952 by D. C. Heath and Company, and distributed in a trade edition by the Reinhold Publishing Corporation, New York. Another is "Construction Estimates and Costs," Harry E. Pulver, McGraw Hill Book Co., Inc., New York, 1940.

Material costs vary widely according to freight charges, area of the country, prevailing markups in the locality and numerous other factors. Labor costs vary even more, both in rate and the amount of work produced hourly. For these reasons it is impossible to obtain figures that apply across the board. We can, however, make some generalizations that may be helpful.

For instance, you can figure that a new drycleaning plant will run about $10 a square foot for the building alone. This includes foundations, walls, floor and roof for a one-story building. We know of some nice plants that have been built for $8 a square foot, and others that have run as high as $12. Ten dollars seems to be a good average.

This square foot-dollar ratio is affected by building shape. A round building, theoretically, would be the least expensive because its perimeter is the smallest. For the same reason, a square building is less expensive than a long, narrow structure.

It is generally more economical (and more efficient) to enclose the square feet you need in a one-story rather than a two-story structure.

The following costs include labor:

Basements cost $4 to $6 per square foot of floor area. This is in addition to the $10 per foot cost for the building itself.

For exterior construction, cinder blocks are the least expensive at about 80 cents a square foot. If you want them weatherproofed or painted, add another 15 cents.

An 8-inch double-faced brick wall costs about $2 a foot. Single-faced brick (inside surface not finished) runs about $1.80 a foot.

Plate glass costs $1.20 to $1.50 per foot.

If your plans include black-topping a parking area, you can figure $1.70 to $1.80 a square yard.

Let's look at a few call-office costs. Here are some common flooring materials:

Terrazzo (longest wearing, easiest to maintain)—$1.35-$1.50 per foot
Vinyl tile—70 cents a foot
Rubber tile—50-60 cents a foot
Asphalt tile—35 cents a foot
Flagstone—90 cents a foot

Like a nice double set of electric-eye doors? You can figure about $1,800, plus wiring charges. Operators with busy call offices say that they're worth every penny.

These figures, as stated, are very general. They were quoted by Frederick C. Wenzel, a reputable builder in Stamford, Connecticut. # #

Preliminary Planning

THE FIRST POINT to consider, once you decide that a new or at least larger building is needed, is the matter of size. There is a rule of thumb that comes in handy here. For each dollar of weekly volume, at a $1 base price, you will need one square foot. The formula assumes that you have an efficient production setup, and the square-foot reference includes everything—production area, washrooms, store—the works.

When you figure the dollar volume, you will want to include a factor for future growth. You know better than anyone else what this factor should be for your operation. If you figure that it will take longer than five years for your volume to reach your planned plant capacity, you might be better off with a smaller building, unless you can lease the space in the meantime.

Plot size

Plot size is just as important, especially if you are planning a drive-in. It is generally figured that a service industry drive-in building should not cover more than two-thirds of the plot area. In some areas zoning regulations will stipulate the percentage of space your building may occupy.

If the location is one in which your traffic will be staggered throughout the day, you won't need as much parking and maneuvering space as you will if the place is mobbed by commuter traffic. Other factors affecting the parking decision are availability of parking on the street or in other lots within a short distance; whether or not curb service is to be offered; whether or not your route trucks will be using the premises; the amount of space that must be devoted to employee parking, and setback of the building from the curb.

If a separate area can be set aside for employee parking, so much the better. If trucks will be loading and unloading from the front, their entrance should be well over at the side.

Traffic studies show that consumers in small cities will not walk over 350 feet to patronize an establishment. If no municipal or shopping-center parking facilities are within this distance of your plant, you'll need more room. You should consider "goodwill" parking space. If customers can use your facilities while they make other stops on foot in the neighborhood, you can feel assured of their continued patronage.

We can sum up parking by saying that you really can't have too much.

A number of other points should be

Fire Protection Codes

Hundreds of local and state laws which regulate the construction and location of drycleaning plants are on the books. Many of them are obsolete, written for the old days when drycleaning plants were exploding all over the place. To clear up at least part of the confusion, the drycleaning plant standards of the National Fire Protection Association were drastically revised and brought up to date last year. As many local codes are based on the national code, its provisions are must reading for anyone who plans to build or extensively remodel.

Plants are divided into four classes. Class I refers to those using solvents rated above 40, which includes naphtha and similar low-flash solvents. Very few of these plants are in operation today.

Class II covers plants using Stoddard solvent, or solvents rated 40 or below. Standards cover location, construction, ventilation, lighting, heating and power, all solvent-using equipment and piping, operating requirements and fire protection.

Class III applies to plants using solvents of the 140°F type, or those rated 25 or below. Construction and location requirements are considerably less stringent than those of Class II.

Class IV plants are those using nonflammable solvents such as perchlorethylene. Plants in this class are free from most of the regulations that affect the others.

Copies of the standards, priced at 35 cents each, are available from the National Fire Protection Association, 60 Batterymarch St., Boston 10, Mass. Ask for NFPA Bulletin No. 32.





Sound financing is a must.

considered in the selection of a location. Again,we're assuming that you are planning a drive-in.

Location pointers

Plants across the country have found the following to be generally true:

1. You should be on the right-hand side of the road facing toward town.

2. You should try to locate midway between town and a well-populated residential area.

3. A corner location is best because it makes your plant easier to spot and allows entrance and egress from two streets. The preferable corner is the one past the intersection so that vehicles leaving your plant can pull right out without waiting for a light.

4. Property adjoining or very close to a shopping center is highly desirable. It offers the double advantage of convenience and the chance to put up the kind of plant you want without the restrictions imposed on leased space within the center.

5. Proximity to other busy (but not competing) retail outlets is desirable. Traffic-wise, one hand will wash the other.

If your building is to be a walk-in rather than a drive-in, heavy population density is the most important consideration. The more people, the better your chances of success.

Before buying property, you should find out as much as you can about the population and traffic trends in the area. If a large housing development is going up, you ought to know about it in advance. If your street is to be made a through traffic artery with parking restrictions, one-way traffic flow, and so on, you will want to take that into consideration. Public transit facilities are important from both the employee and customer viewpoints.

Don't forget your competition. An area already saturated with cleaning service doesn't hold much promise.

Utilities are another big point. Will you be required to dig your own well, or is city water available at a reasonable cost? How about sewer lines? If they are nonexistent you will not only have to provide sewerage facilities but may have to anticipate the time when municipal sewer lines will be installed and you will be assessed according to your frontage.

Speaking of frontage, you should check with the city planning board or city engineer to find out if your street is to be widened within the next few years. How would your driveway or parking area be affected by the loss of 5 feet along the street line?

Open look?

On the building itself there are any number of factors you should check or talk over with your architect.

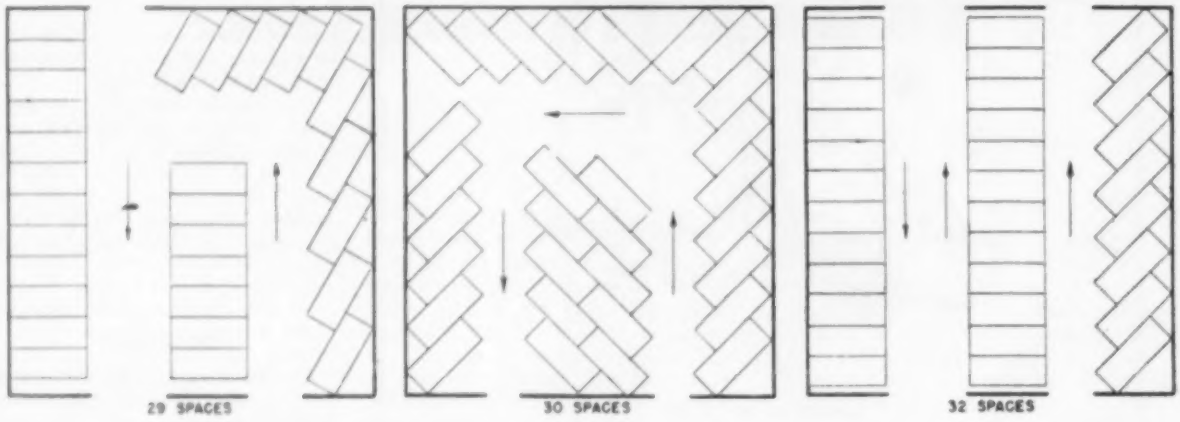
On its general appearance, you may or may not want to take advantage of the "open" look. Wide-open plants in which most of the productive activity is visible from the street and store area are as modern as tomorrow and lend a distinct touch of showmanship to the operation.

This openness can as easily work to your disadvantage. Immaculate cleaning plants are the exception rather than the rule. If customers and passersby are going to see a vista of coke bottles, dripping pipes all over the place, rickety slickrail fittings, filthy floors, greasy equipment, and a bunch of employees who wear their

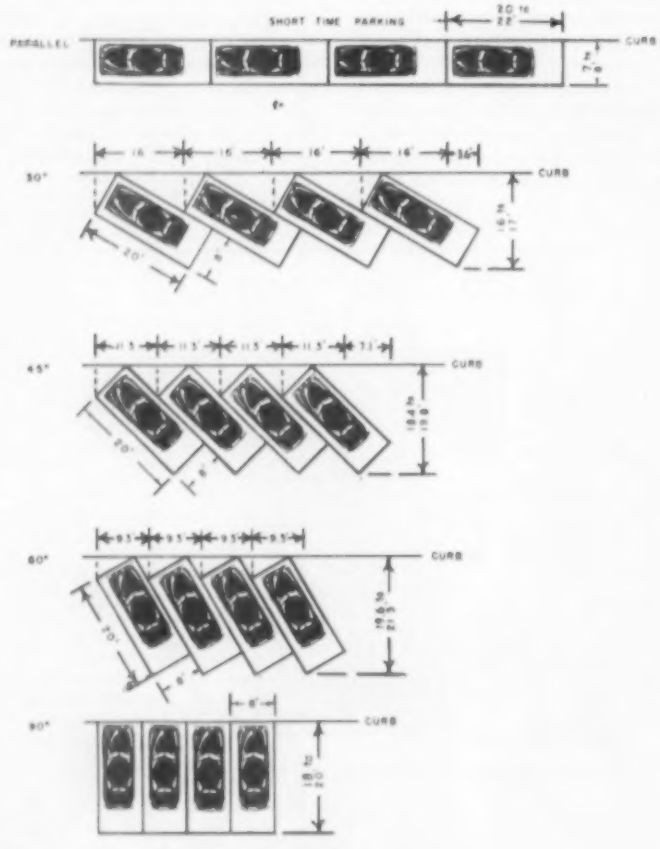


"I should have thought of that before!"

Here are six ways to lay out a



Curb parking requirements at various angles



shabbiest clothes to work, there isn't much reason to expose these conditions.

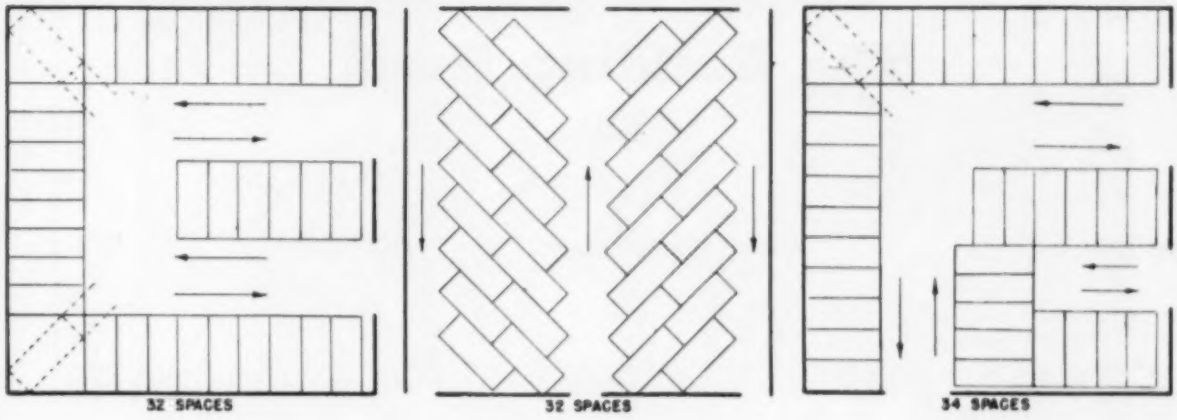
Another point is that on cold days the windows almost invariably frost up as the moisture-laden air from inside condenses on the glass. Double-glass windows are of some help (very expensive, too), and fans may reduce the fogging, but the condition is very difficult to eliminate—unless the call office is partitioned off.

You should make a decision on fireproofing. Codes and local regulations will probably dictate where your cleaning room must be if you are using petroleum solvent, but other aspects of fire prevention will be up to you. A fireproof roof, for instance, costs only about 25 cents a foot more than a nonfireproof roof, and the saving in insurance premiums may be substantial over the life of the room. A sprinkler system might make an excellent investment. These points should be taken up with your insurance man before working drawings are started.

Ventilation and cooling are factors which require early consideration. If you have a choice of building exposure, placement of windows to take advantage of the sun's light but not its heat is important. Generally, a north-south exposure is preferable to an east-west one. If the call office is to be air-conditioned, ducts can be handled a lot less expensively in the planning stage.

You or your architect will definitely want to look into machinery loads on

parking area approximately 95 by 100 feet



floors. If your equipment is to include a big washer-extractor, don't guess on the inches of concrete you should have. The manufacturer should be able to tell you just what you will need. You'll pay through the nose if the building starts to dance around the first time the extraction cycle goes on.

Your handling of signs will have a great deal to do with the eventual appearance of the building. Signs should be a part of the over-all design, not something that is tacked on later. Thousands of otherwise attractive buildings are disfigured by signs that would be more appropriate for a fancy hot dog establishment. This is particularly true inside the call office.

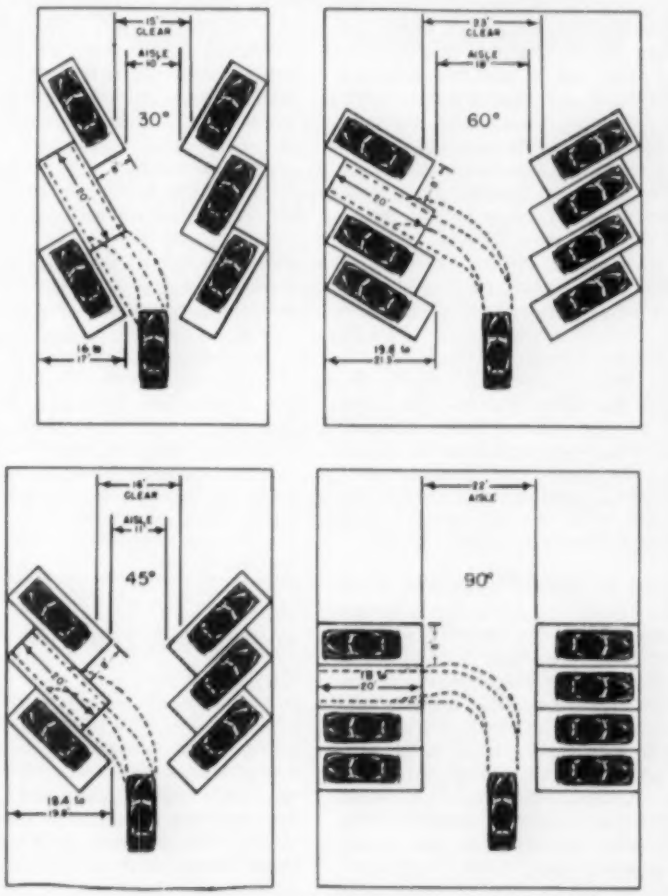
A hodgepodge of miscellaneous cards and "not responsible" notices tacked or taped to any handy wall space cheapen the looks of any office.

How about a storage vault? If you plan to install one eventually and some of the walls you are building now will enclose it, have these wall sections built according to vault requirements. And if you plan to add one or more shirt units, work out the piping and hot-water requirements in advance.

Don't forget about underground tanks that may be required for the cleaning room. Nice new concrete floors have been broken up because the plantowner didn't remember about the tanks until it was too late.

More pointers on preliminary planning will be found in the chapters to follow. # #

Angle parking on two sides of a blind lot



All diagrams courtesy U. S. Chamber of Commerce

The Building Itself

BASIC DESIGN

THE SHAPE your building will assume is dictated by four main factors: the shape of your plot, its size, the structural system used and your budget. As we pointed out in the chapter on costs, a square, one-story building is probably the most economical and practical. It also provides the greatest interior flexibility.

With this basic principle out of the way, we can start in on a couple of reasons why other shapes may be more desirable. One is the advertising value of the building. You want the building to look as impressive as possible, within the limits of good taste. The section of the structure that recedes from the street isn't contributing much to its advertising value. Logically, then, the longer the street dimension, the more opportunity you have to focus attention on it.

Nu Method Cleaners, Hammond, Indiana (see February 1955 issue) had a big corner lot and found it advantageous to put up an L-shaped building. The plant now appears to be twice as big as it actually is, and capitalizes to the fullest extent on its advertising value.

An efficient building can be designed for almost any lot. What first may appear to be a great handicap can often be turned into an advantage. For instance, a good architect can take a location on a fairly steep hill and work wonders with it, at far less cost than you might suppose.

Design: In general appearance there really aren't any rules. Good design is simple design. "Gingerbread," exterior trim that has no functional value, is out. A building's interest lies in its proportions, the textures and contrasts of its materials. Today's design in cleaning plants, as in all types of buildings, calls for glass, metals, new handling of color, preformed blocks and panels of materials that have come into wide use only within the past few years.

The pictures and text in this special issue will describe a number of these developments.

MODULAR COORDINATION

Before we get into construction, a few words on an important development in building are in order. If you are tackling the building or remodeling project yourself it is especially important. Modular coordination in the design and erection of buildings means that certain units of building materials are utilized which can be assembled with the least cutting and fitting. Units of building materials especially designed for such use are called modular products.

The module, or basis of the whole method, is 4 inches. All dimensions of modular products are multiples of 4 inches. In any modular planning, you will find it helpful to use grid or cross-section paper in which the distance between each of the lines will represent 4 inches.

Modular masonry units are designed to include the thicknesses of the mortar joints. Modular brick, for instance, comes in two sizes: 4 by 2⅔ by 8 inches, and 4 by 3 by 8 inches. In each case the actual dimensions are one-half inch smaller to allow for mortar.

Structural and facing tile are available in modular units, and these measure one-quarter inch less on each dimension to allow for mortar. The same holds true for 8-by-8-by-16-inch concrete or cinder blocks, which come with a ⅜-inch mortar allowance. Stock sizes of doors and window frames are available in the 4-inch modular sizes.

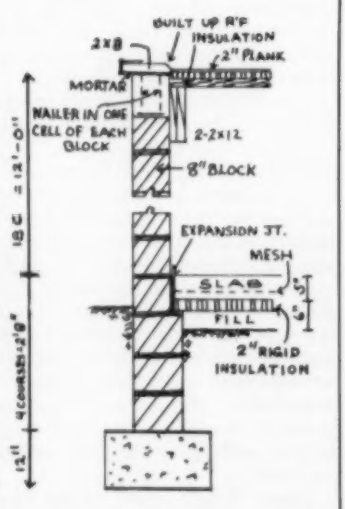
FOUNDATION AND BASEMENT

To dig or not to dig: If you do not plan on a basement, you will find that your local building code probably stipulates the depth of your foundation. The determining factor is the depth of the frost line. For frost line calculations, the following table recommends depths of foundations below grade level.

Lowest temperature	Depth
Above freezing or light frosts	1 ft. 6 in.
20° F	2 ft. 6 in.
10° F	3 ft. 0 in.
0° F	3 ft. 6 in.
−10° F	4 ft. 0 in.
−20° F	4 ft. 6 in.
−30° F	5 ft. 0 in.

Concrete or cinder block are usually used for foundations. If frost is to be encountered, builders advise a liner of waterproof insulation board up to grade level. Another point on concrete or cinder blocks is that they should be allowed to age or season for a couple of weeks or a month before using them. They almost always shrink a little as they dry out, and aging will prevent cracks in the walls from showing up later. It is not always practical to use seasoned blocks. They should, however, be steam-cured. The block manufacturer should

Section Through End Wall



Here's a sample working drawing from the Fonda plans. Section shows construction used in most buildings of this type. Rigid insulation serves both as frost barrier and as expansion joint. Foundation depth is dictated by local code



This outstanding store is a fine example of what can happen when imagination, careful planning, good taste and $20,000 work together. The store is an outlet of Club Cleaners, Eugene, Oregon, owned by Grant and Jim Getchell. We published an article on it in October 1952, when it had been open seven months.

Today Grant Getchell had this to say about it: "The store has been an outstanding success, not only from a financial but from an efficiency viewpoint. We have received so many compliments since our opening that we know we are getting through to the public with the desired reaction.

"In addition, the building has helped to stimulate growth in the area, which adds terrifically to its value as a developed property."

We also asked architects Clare K. Hamlin and B. King Martin to comment on what they were trying to accomplish with the building. They said: "The property chosen was a close-to-the-city location containing a natural environment of beautiful trees with two cedars, in particular, establishing the quality of the setting. The problem became one of fitting the use pattern of the structure into this surrounding with as little loss of natural charm as possible.

"The planning for this use became one of open, flexible and casual relationships using large glass area to unite the interior and exterior areas. To further relate the architecture to a natural environmental beauty, heavy timber framing and rough-sawn stained wood were chosen for the major construction, with certain areas of solid brick and concrete balanced against the open glass and wood areas. Colors were earthtones complementing the woods and brick of the construction. Plantings have been in an informal style, using ground covers, casual shrubs and ferns."

be told of your requirements as soon as contracts are let.

Unless there is no other way to gain space, you probably won't be building a basement. If the excavation required is merely a matter of removing dirt, the cost of the basement will probably run $4 to $6 a square foot. If any rock structure, springs or seepage is encountered, the cost will skyrocket. Blasting will run the cost right up to around $25 a cubic yard, and a drainage system must be installed to take care of water.

FLOORING

If the building is on level ground, chances are your floor will be a concrete slab between 4 and 6 inches thick. Slabs are usually built on a 6-inch layer of washed gravel, or crushed stone, and it is important that a vapor barrier be placed on the underside of the slab to keep it dry.

Slabs are usually poured in sections. The finish desired is created either as an integral part of the slab, or is applied later as a separate top layer. An integral finish is preferred as there is no danger of its cracking up later, but it must be made at just the right stage as the concrete is setting up.

Careful curing of concrete slabs is important so that cracks will not form later. The best concrete is cured under water by flooding the floor for about two weeks. If flooding is impractical, the cement may be kept damp by wet bags, straw or other suitable material.

Ideally, a cleaning plant should have three different floor surfaces. The

cleaning room itself almost always has a concrete floor. The finishing room should have a serviceable floor that has some resiliency because most of the employees are on their feet all day. The call office or store area is a public place and requires a decorative treatment.

Thus, the three factors to be considered are *serviceability, fatigue,* and *apperance.* And, of course, your budget.

Some plants have found that the smoothness of a concrete surface has a great deal to do with fatigue. The concrete floors at Arcade-Sunshine in Washington, D. C., have a glossy appearance created by a special concrete surfacing machine. Too slick a surface would, of course, be impractical in an area where wetness would make it slippery. To keep concrete from "dusting" and to aid in maintenance, a colored or transparent sealer should be used.

Rubber mats or duck boards at work stations in the finishing room will provide the needed resiliency, and their cost is negligible. However, they complicate maintenance.

One of the tile surfaces such as vinyl, rubber or asphalt handled on an over-all basis makes for better appearance. Asphalt is the least expensive. If dampness seeps up through the slab from the ground, asphalt is about the only tile that can be made to stick. As stated earlier, a vapor barrier beneath the slab will eliminate this dampness problem. Most of the vinyl and rubber tiles are not well suited to locations where water will be splashed around.

One of the major flooring companies recommends a new vinyl asbestos tile that is said to be better suited to drycleaning plant use than asphalt. It requires periodic waxing, as do all tiles, but not as frequently. Water-base waxes are recommended for tile surfaces.

Wood floors are expensive to install, but their appearance and comfort in the finishing room are hard to beat. If three coats of sealer are properly applied over a clean floor, maintenance is simple.

Mastic products which are troweled onto concrete offer a good working surface, some resiliency, and a color choice.

More flooring suggestions will be found in the chapter on call offices.



PERILS AND PITFALLS of "the open look" are shown above. Letting the customers see in was a great mistake in the case of the plant above. In contrast, Corde Cleaners, Glen Ridge, N. J. is

WALLS

Here again, our familiar friends the *cinder blocks* are the most used and most economical material. Their appearance is presentable, they will support the roof, and they will keep out the weather, which is all that most plantowners ask of a wall. If you want something other than their natural gray color, a coat of primer and masonry paint will provide any color you want. If a smooth exterior surface is required, they can be stuccoed.

The inside surface of cinder blocks may or may not be acceptable. In most cases it is. If you want something smoother and more easily cleaned than a rough masonry wall, any number of finishing materials are available. Wallboard of the masonite type or one of the asbestos cement boards serves the purpose well. Wooden strips called furring must first be attached to the masonry to provide a nailing surface for the board. The block surface should be coated with bituminous waterproofing to act as a vapor or moisture barrier.

Concrete block costs a little more in some areas, is said to offer a slightly higher structural strength, and comes in smoother surfaces.

Brick is still used a great deal in today's building, although not to the extent it was. See your builder for the variety of brick available. Facing brick is usually used on the outside; common brick (far less expensive) for the rest of the wall.

Tile, too, comes in a wide variety. It is a structural material in the sense that it supports its own weight. You don't use it to hold up the roof. It makes a very attractive outside surface, and certain types are often used as an inside wall.

Glass—here is *the* modern building material. Practically every plant being built now is using large expanses of glass. Drive-ins, especially, are almost sure to be loaded with it.

Let's start with sheet glass, which is simply heavy window glass. This, for large-expanse purposes in drycleaning plants, is the most economical and, in most cases, will fill the bill. It is considerably less expensive than plate glass, and as drycleaners do not have the problem of merchandise display, its small amount of wave or surface distortion is not objectionable.

Sheet glass has a grain, and when you buy it you should specify that the grain is to run horizontally. It does have a limitation in size of pane. Maximum size for 40-ounce heavy sheet is 50 square feet, and for 45-ounce, 60 square feet. Its physical, thermal, chemical and light-transmission properties are about the same as those of polished plate glass.

Plate glass is optically polished, is free of distortion, and is available in heavier thicknesses than is conventional sheet glass.



its own best advertisement. Any customer would admire and respect this operation. It completely justifies the effort and maintenance required to keep it looking immaculate

It is usually recommended for call-office windows. One heat-absorbing variety intercepts most of the sun's rays which are harmful to fabrics and dyes and probably should be used if your call racks are exposed to outside sunlight. Drygoods stores usually use this type.

Tempered plate glass is four to five times as strong as regular plate glass of the same thickness. It is used in most glass doors.

Carrara glass is opaque, smooth, brilliant, optically flat.

In any large-expanse use of glass, the size of the pane and its thickness are determined by the wind velocities it must withstand. Your supplier or municipal building inspector can supply this data.

"Double" windows consist of two or more pieces of glass enclosing a small hermetically sealed air space. Rectangular metal tubing separates the pieces. In cleaning plants its greatest usefulness is in reducing condensation on windows during cold weather. As its heat-transmission qualities are very low, it reduces the load on call-office air-conditioning equipment. It might make the difference between a 3-ton and a 5-ton unit.

Glass blocks are completely sealed hollow units formed by fusing together two halves of pressed glass. All of the types provide good, diffused natural illumination. It should never be used for load-bearing walls or panels. Except in the case of small panels of 25 square feet or less, expansion joints must be provided at head and jambs of all panels in exterior walls.

One-way glass mirrors can be very useful for office walls within the plant. If you want to be able to see what's going on in the plant or in the call office and still maintain privacy, here's your answer.

WINDOWS

Metal-framed window units are usually specified. Not only do they require little or no maintenance, in the case of aluminum, but their installation is less costly. Two types are used most often: projected windows in which the top and bottom sections tilt inward in ventilator fashion, and louver-type windows. Both types offer a maximum of ventilation with a minimum of draft.

If ventilation has already been provided for and a strip of windows is to serve primarily for illumination, fixed windows which do not open are often installed because they cost considerably less.

If the plant has a flat roof without facilities for roof ventilation, it's a good idea to run the windows as near the ceiling as possible. If the hot air from finishing equipment can escape as soon as it rises, the plant will be a lot more comfortable in summer.

INTERIOR PARTITIONS

Unless the plant's interior partitions must bear roof loads, your own taste and budget will determine the type you select. In many states a petroleum cleaning room and sometimes the spotting department must be solidly closed off. In such cases you must put up a wall that meets code specifications.

Probably the least expensive partitions for call offices and management offices are those made of plywood, one of the wallboards, or pressed asbestos sheeting. More detailed data on partitions will be presented in the call-office and store chapter.

SUPPORTS

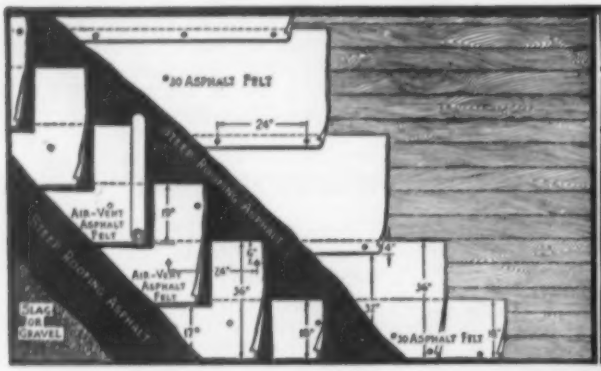
Figuring supports for a one-story building is a fairly simple proposition. Bearing walls, as we said earlier, are most economically built of masonry. Where large expanses of glass are used, steel, wood or reinforced concrete posts or columns are just as efficient for support as load-bearing walls. As a rule, spans between bearing walls run 20 to 25 feet with wood framing, slightly more if steel is used. The weight that will have to be supported depends, naturally, on the roof. In northern climates, snow loads will have to be figured.

ROOFS AND CEILINGS

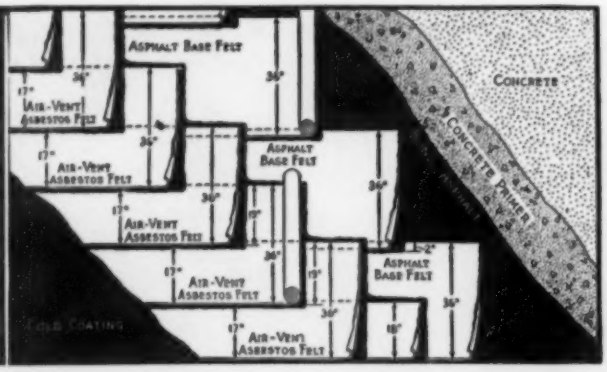
For most new drycleaning plants built-up roofs are specified because the roofs have insufficient pitch to permit the use of asphalt shingles or large roofing panels such as corrugated asbestos.

Built-up roofs are usually bonded by the roofing manufacturer for 10, 15 or 20 years. The type used will depend upon the incline of the roof deck and the material of the roof deck. The most common type consists of a layer of sheathing paper or roofing asphalt, and then three or more plies of roofing felt. Each strip of felt is covered with asphalt before the next is applied so that felt does not touch felt. Then asphalt is spread over the whole business in which are embedded 300 or 400 pounds of gravel or slag per 100 square feet. The gravel holds the pitch in place.

Dark roofs absorb the sun's heat;



10-YEAR bond roof for use over board sheathing for inclines from 1 to 4 inches per foot. Surface requires 400 pounds of gravel or 300 pounds of slag per 100 square feet



Drawings courtesy Ruberoid Co.

20-YEAR bond roof for use over poured concrete, precast concrete tile and book tile. This roof requires no surface gravel. Each ply is insulated from the next by a layer of hot asphalt

light-colored roofs reflect a portion of it. If your roofer uses either white gravel or white marble chips for the top gravel surface, the plant will be cooler in summer. The specifications may call for a smooth-finish roof without the slag or gravel. In this case the roofer can paint the roof with aluminum paint, which has similar heat-reflectance properties.

The construction of the roof deck will depend on the extent of fireproofing required and on your own personal choice. As we said in an earlier chapter, fireproofing costs about 25 cents a foot extra, and often makes possible a lower fire insurance rate. Fireproof roof decks are usually built of concrete or gypsum.

If fireproofing is not required, you can use a wooden deck, which is much less expensive.

While conventional building construction includes a ceiling of some type of board building material, there is no reason why roof supports, if properly designed and selected, cannot remain exposed. If bar joists are used, anchors for slickrail supports will be available wherever you need them.

Present practice in plants of conventional size is to have a flat roof. Not only is this the most economical, but it is relatively easy to maintain. Whether or not columns will be required depends on the width between bearing walls and on the type and size of beams used. In most cases a few posts will not raise workflow problems.

INSULATION

If your requirements call for insulation other than that created by the deck, there are a number of materials from which you can choose. There are four basic types: soft, fibrous materials such as mineral wool and vegetable or animal fiber; blankets and batts which are designed to be stretched and tacked between the rafters or studs; the loose or shredded type which is blown or packed into hollow spaces, and the stiff board type. Whichever type is used, a vapor barrier is required, and should be placed on the warm side of the insulation. Typical vapor barriers are asphalt-coated paper or aluminum foil.

If your roof has sufficient pitch to drain water properly, a less expensive roof is possible. The same deck constructions may be used, but a built-up surface is not required. Asphalt shingles, corrugated asbestos cement panels and, if you're not fussy about appearance, sheet metal are some of the materials in common use.

Flooded roofs have proved very efficient for cooling. This system of course, is only practical with flat roofs. Built-up water-tight constructions are available, or the surface may be copper. Even a stagnant pool will serve as effective insulation, but cooling action is much greater if the roof water is changed constantly.

PAINT AND COLOR

Almost everyone is familiar with the magical transformation that a coat of paint can create. Paint can make a dingy building look bright. Properly planned it can make a wide room look narrow or a narrow room look wide. In addition to the changes in appearance it makes possible, it protects by sealing out moisture and it can make a tremendous difference in workers' efficiency and morale.

There is a paint for every purpose. The charts which appear in this section list the types suggested for each use.



"Best man we've got on figuring square feet."

Color engineering in recent years has become an important specialty. Here are some of the basic principles that specialists in the field have developed.

Take the matter of coolness. Color can have not only an actual effect on temperature by causing heat to be reflected or absorbed, but it can create a condition where the surroundings seem warmer or cooler than they really are.

A white or light-colored building is actually cooler than a dark building. If heat is a problem in your plant, a light exterior will help and, incidentally, be in character with an industry that is concerned with cleanliness. The Bureau of Standards has found that aluminum paint reduces by 60 percent the heat admitted by a dark surface.

The color spectrum can be divided into "warm" and "cool" colors. Reds, oranges and yellows are warm; blues and greens are cool. If the walls of your finishing room were painted a bright red or orange color, the pressers would probably feel that they were roasting to death even if the plant were relatively comfortable. On the other hand, such colors as light green, light blue or oyster white would make the room seem cooler and, consequently, a more pleasant place in which to work.

Because our eyes have different focusing lengths for different colors, some colors appear to advance and others to recede. In general, the lighter, cooler colors recede or make spaces seem larger; black and darker colors decrease apparent size. Light colors make objects appear lighter; dark, heavier. These advancing and receding colors aren't so important in the plant, but you should keep them in mind if your call office has unfortunate proportions that should be corrected.

Colors chosen should be balanced and harmonious. Contrast is only effective if it isn't overdone. Simple color schemes are best. The variety of hues should be kept to a minimum. You can create an interesting pattern of color by using different values and intensities of the same colors, using the more neutral tones for the larger areas.

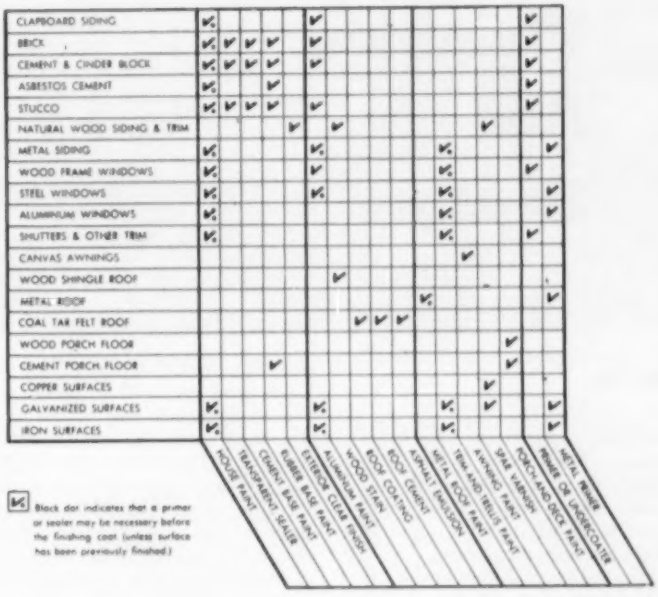
Bright colors, as a rule, should be used only for accents. In call offices especially, many cleaners ruin what would otherwise be a pleasing room by using combinations that confuse rather than harmonize. Most of the wallpaper we've noted in call offices is so "busy" that any impression of dignity or businesslike atmosphere goes out the window.

In choosing colors, be sure to check them under the illumination conditions that will prevail. What looks bright under daylight or incandescent light may look gray or dingy under fluorescent light, and the reverse.

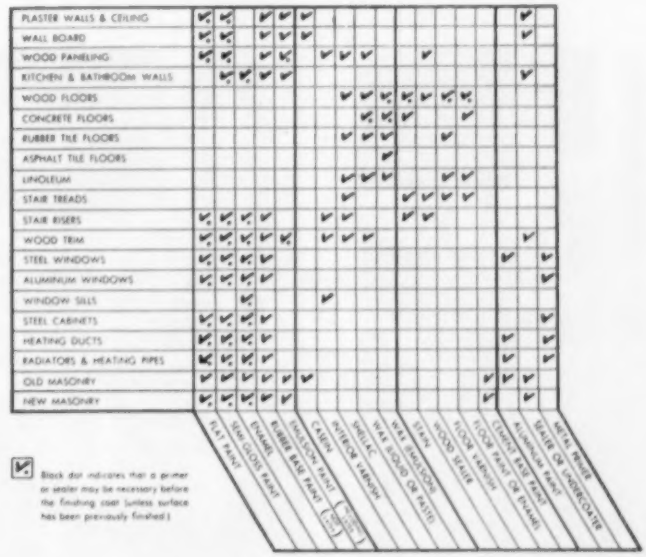
If you haven't had some experience in choosing colors, be cautious rather than bold. If you play around with more than two colors, the effect may not be pleasant. # #

What to use and where

OUTDOOR PAINTING



INDOOR PAINTING



Plumbing And Heating



PLUMBING

PLUMBING is generally handled in two stages. First there is the basic plumbing which includes water supply lines, drains and sewerage connections. In most cases it must be installed by a licensed plumber.

The second stage comes under the general classification of steamfitting. Boiler and equipment hookup, return systems, etc., are involved. Then there are air lines and the vacuum system.

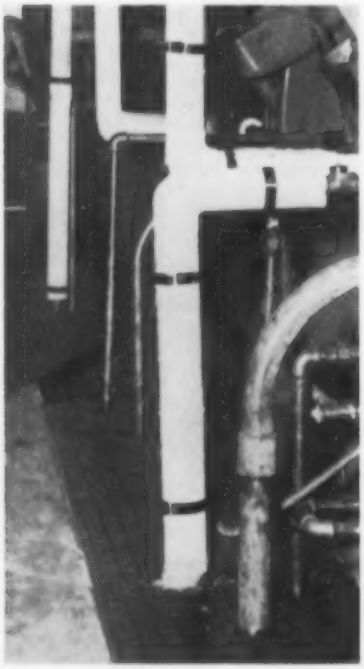
Normally the whole piping job is handled by a plumbing contractor, either in a subcontract or a separate one. Most or all of this piping should be figured out well in advance, and should appear in one of the working drawings or in the contractor's shop drawings. The manner in which it is handled not only has a great deal to do with proper operation of the equipment and its ease of maintenance but on the appearance of the plant as well. A forest of pipes is as unnecessary as it is unsightly.

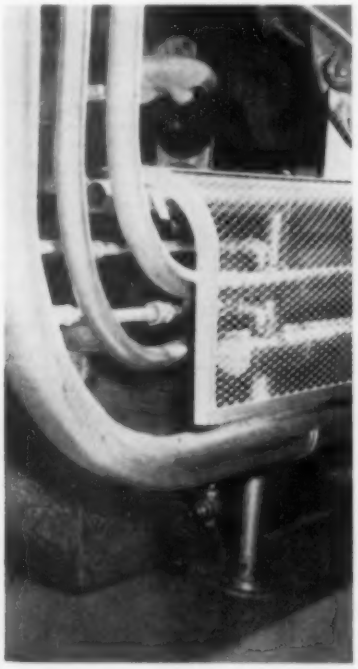
This chapter makes no pretense at being a manual of piping and steamfitting. What follows are data that are especially important in the planning stage, and which are sometimes overlooked.

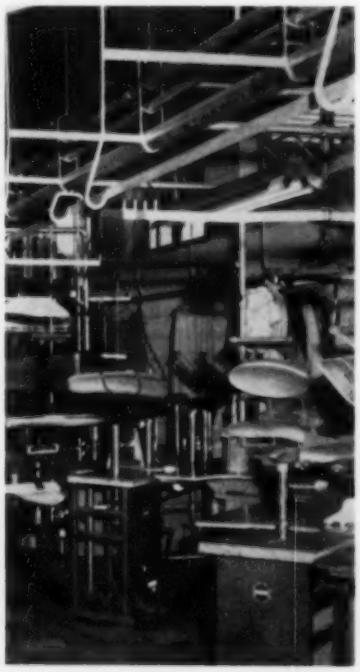
Supply lines: Carefully consider your advance requirements. If, for instance, you plan to add a shirt unit within the next year or so, your water consumption will be considerably increased and larger lines will be required.

In this connection, water pressure is important. The ideal range is between 55 and 70 p.s.i. If the pressure is lower, washers take forever to fill. If the pressure gets above 80 pounds, automatic valves won't work properly.

Steam pressure: Your boiler manufacturer will survey your requirements and recommend a size. Be sure that you are familiar with the code which







THREE TYPES of basic plumbing hookups. Left: Trench system is neat but relatively inflexible. Center: Floor-level lines require shields, are easy to get at. Right: Overhead lines, if properly installed, need not be unsightly, are out of the way, pose few maintenance problems

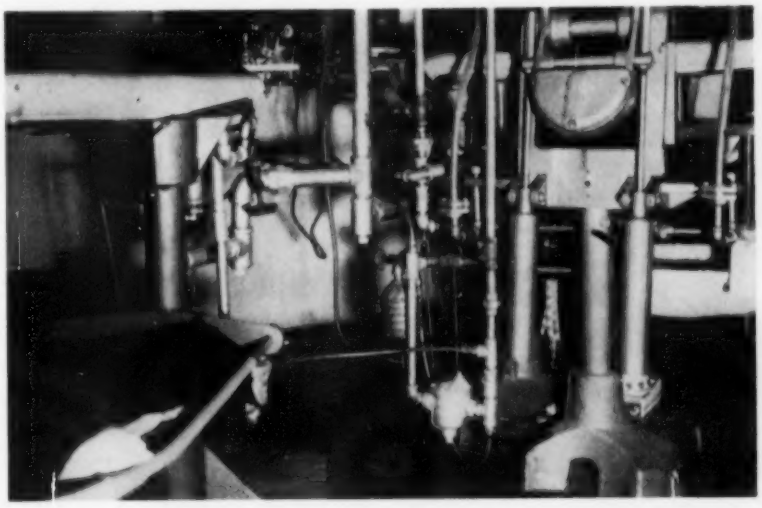
stipulates the capacity you are allowed without the requirement of a full-time stationary engineer. In New York City, for instance, an engineer is required if you have a high-pressure boiler over 10 hp. in size. Say you need 15 hp. to meet your present and anticipated needs. You would probably find it well worth your while to buy two 10 hp. boilers rather than one rated at 15 hp., as you would avoid the stationary-engineer requirement.

The steam pressure produced by your boiler will not, of course, be the same pressure which is received at the equipment. There are bound to be friction and heat losses along the way. To complicate things, pressure requirements of the various equipment items vary considerably. You may have a steam iron that requires 15-20 pounds, finishing equipment that needs 65, and a tumbler that requires 100. The correct procedure is to supply steam at the highest level required, and install reducing valves on the lines leading to the rest of the equipment.

Return systems: Unless you are installing a condensate return system that requires no traps, each piece of steam-using equipment should be properly trapped, and each trap should have a bypass. Except in the case of thermostatic traps they should be located as close to the machine they are to serve as is possible, and as low as possible to facilitate drainage. Traps that are not located properly are likely to flood. The installation of strainers just ahead of traps in the lines is recommended. If the trap must be placed above the equipment it serves, install a check valve on the trap discharge.

Insulation: All steam and hot water lines should be properly insulated with 85 percent magnesia or the equivalent. This costs a little more in the beginning, but it more than pays for itself in terms of heat saved and more comfortable working conditions.

Appearance: On the looks angle, laying all pipes in floor trenches undoubtedly makes for an attractive finishing room. Many authorities in the field believe, however, that this advantage is more than offset by the lack of flexibility imposed by the trench system. You can't move the equipment around very well if the supply lines are under the floor. Overhead lines are the easiest to work with. If the hangers are well designed and pipes are painted to harmonize with the ceiling or wall color, the system shouldn't look bad.



TRAP BYPASSES are an important part of good condensate return system

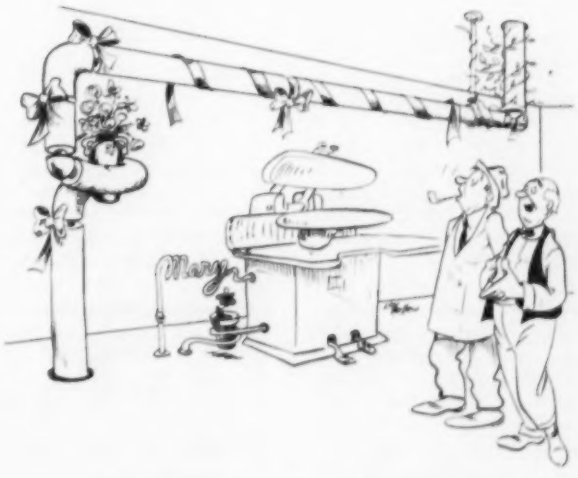
HEATING

For many plants it is not a question of how to heat, but whether to install heating equipment at all. The problem is usually one of getting rid of heat rather than adding it.

If there is the danger of pipes freezing during cold weather, or if the plant is too cold for comfort when the employees arrive in the morning, space heaters are needed. Some plant-owners figure that if they leave a few pounds of steam in the equipment overnight, no space heaters will be required. This is a *very* expensive way to heat a plant.

Space heaters come in two basic types—*horizontal* and *vertical*—depending on which way they throw the warm air. The vertical type is recommended for relatively small areas such as around doors which are opened frequently or in cold corners. The horizontal type does a better job of spreading the heat over a wide area. The size of heater or heaters you need will be determined by the temperature encountered and the number of cubic feet of air to be heated.

If your plant is to be a sizable one, you will probably find it more efficient to have a small, low-pressure boiler for heating purposes only. # #



"Yes, we try to keep the pipes nicely decorated."

Electrical Requirements And Lighting



ELECTRICAL REQUIREMENTS

UNLESS YOU ARE a card-carrying electrician there isn't much you can do so far as the actual wiring of a new plant is concerned. But you can be of considerable help in the planning stages.

How you can help:

1. You can save a great deal of time (and money) if you go to the architect knowing approximately where you want certain machinery and equipment placed in the interior layout. Studying such a plan will give him a rough idea of the number of electrical outlets required both for illumination and power purposes.

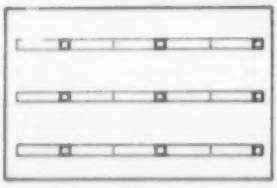
For example, the architect will see that you need so many electrical outlets in the cleaning area to provide power for the processing machinery. Perhaps wall outlets will be best here. The position of the ironing boards may indicate that column outlets would be advisable for hand touch-up equipment. Similarly, he will realize that a conceivable source of electricity should be near at hand to actuate that electric stapler in the marking department, the cash register in the call office, and the water cooler near the rest rooms.

Also, tell your architect something about the problems of the business as well as the steps in the processing procedure. He will suggest the best way to beat the heating difficulty in the finishing area and whether exhaust fans or an air-conditioning system is the most practical for your particular situation. He will also become aware of the fact that certain jobs such as marking and inspecting require more light (and perhaps of a different kind) than do other production areas. All this will help the architect determine your electrical needs and allow him to plan accordingly.

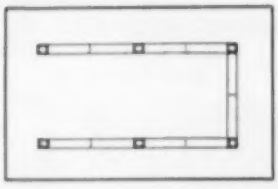
2. The wise plantowner will also anticipate the possibilities of future expansion and indicate on the layout the probable location of additional pieces of equipment. A little foresight now can often prevent costly alterations later.

3. The plantowner should have some idea of what his electric power load will be. Such information is useful whether building a new plant, expanding an existing one or merely replacing old equipment. That load

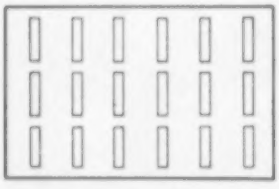
Typical Lighting Fixture Patterns



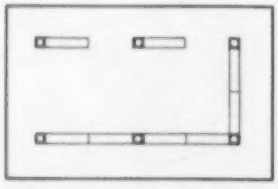
Lengthwise arrangement: Influences traffic flow to rear of store



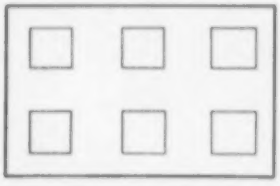
U-shape: Brightens rear wall; draws attention to rear of store



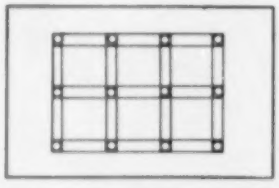
Crosswise pattern: Tends to add apparent width



L-shape: For asymmetric layout of store equipment



Square fixture: Architecturally suitable for many interiors



Grid pattern: Fluorescent with incandescent downlight

Lamps Affect Appearance of Colored Materials

Lamp	Effect on White Materials	Color Emphasized	Colors Grayed	Usual Psychological Effect on Environment
Standard Cool White Fluorescent	Clean White	Uniform, Except Reds	Reds	Cool, neutral
Standard Warm White Fluorescent	Yellow Tint	Yellows, Oranges	Blues Reds	Warm—like incandescent lighting
De Luxe Cool White Fluorescent	Clean White	Uniform	None	Clean, neutral (like natural daylight)
De Luxe Warm White Fluorescent	Warm Tint	Yellows, Oranges, Reds	Blues	Warm—like incandescent lighting
Incandescent	Yellow Tint	Reds, Yellows	Blues	Warm

ALL LAMPS are not the same. Some have a distinct blue tinge cast, others yellow, etc. Each has a different effect on the colors it illuminates . . . either dulling or brightening them. These differences can alter the effectiveness of the color scheme in your call office as well as affect the number of rejects in the inspection department. Use the right light for the job you want done. Your local utility can offer the best advice

requirement can be determined with sufficient accuracy quite easily. Here's how it's done:

Estimating electrical load: First make a list of all the motors in the plant and indicate the horsepower rating of each. You can get this information from the motor name plates. It can also be found in the equipment manufacturer's literature on motor-powered equipment. Add up these ratings to find the total motor horsepower required.

To determine the expected *average* load, multiply the total m.hp. by 60 percent. To determine the expected *maximum* load multiply by 80 percent. Then divide each of these figures by 1.34 to convert motor horsepower to kilowatts.

To this motor kw. load add the wattage of all other plant electrical equipment such as hand irons and lamps. Having all this data, it is then possible to add and come up with the approximate total average maximum load.

Example: You are building a new plant which will have six motors with a total rating of 14 m.hp. and two hand irons rated at 1,000 watts each. To find the maximum electrical load required by this equipment you would first take 80 percent of 14 m.hp. Thus:

Motors: .80 × 14 m.hp. = 11.2 m.hp.
11.2 ÷ 1.34 = 8.35 kw. expected maximum load
Hand irons: .80 × 2,000 watts or 2 kw. = 1.6 kw. expected maximum load
Total expected maximum load = 9.95 kw.

The wiring system: Once the electrical power needs of a plant are approximated, the architect will determine the best way to wire the plant, keeping both adequacy of outlets and flexibility of wiring in mind.

Incoming electrical current usually arrives at the plant's meter boards from an outside supply line. It must then be carried through the plant by feeder lines to other panel boards and then along separate wiring circuits to outlets in the ceiling, floors and walls. Local fire-protection and electrical codes should be scrupulously observed in all instances governing the wiring of drycleaning establishments, particularly if processing is to be done on the premises.

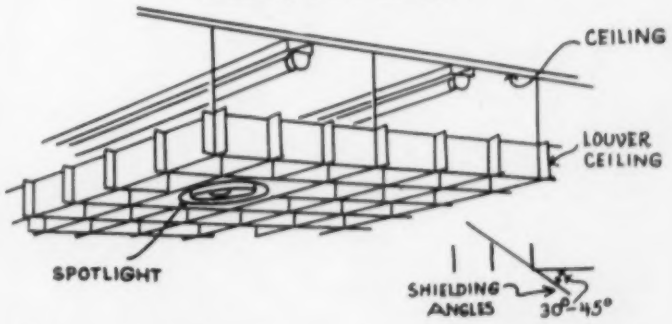
Dual wiring

In wiring new buildings, the best practice is to provide dual wiring distribution from a central switchboard. The switchboard is divided into two independent systems, each serving separate feeder lines to alternate lighting outlets and motors operating mechanical equipment. Should trouble develop on either section of the supply lines, at least half of the store's electrical supply will continue to function while repairs are being made.

If you are planning to remodel your present plant, bear in mind that most older buildings do not have adequate wiring for a good modernization job. Quite a few are also wired for direct current and must be expensively converted to alternating current to permit the use of some types of equipment.

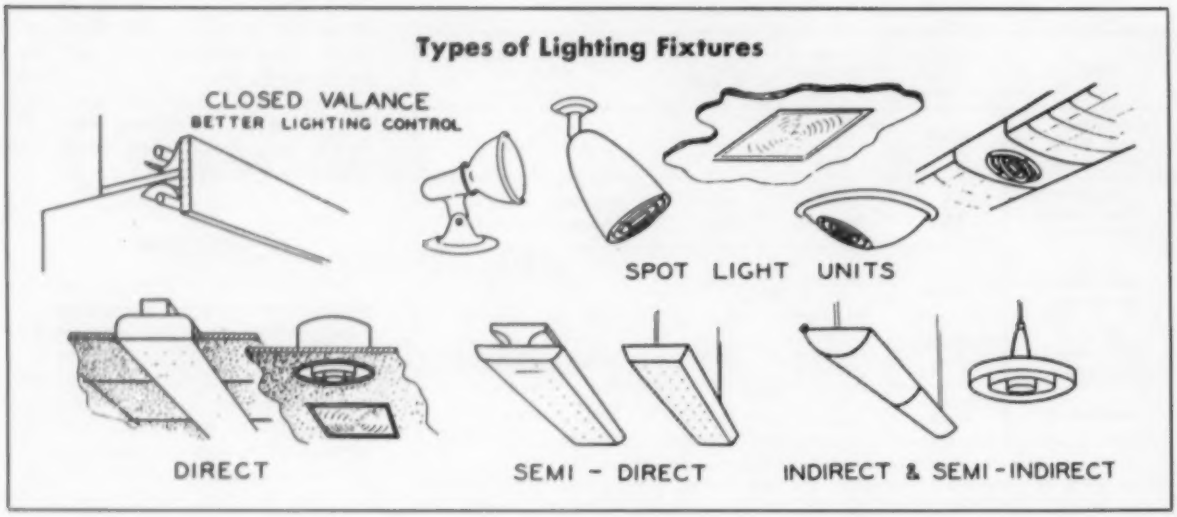
(*Continued on page 90*)

Hiding That Ceiling



It's easy to conceal those unsightly ceilings, pipes and fixtures with the help of a suspended louver ceiling. Not only is it attractive, but easy to maintain and alter without too much difficulty. (For example, the level of illumination can be increased by incorporating spotlights in the louver without ruining the smooth unbroken louver effect.) The louvers are available in flat-white-finished opaque material, translucent material or etched aluminum.

Factors governing use: Small louver cells create a texture; large ones a structural effect. The deeper the cells, the better their concealing properties, but the lower the lighting efficiency. The usual shielding angle is 35 to 45 degrees. Where spotlights are used above the louvers and aimed straight down, the loss in candlepower will be minute. If the spotlight must be aimed at an angle, it is best to install the spot flush with the bottom of the louvers. The ceiling above the louver should be painted white. This increases the lighting efficiency and adds to the concealment properties.



(*Continued from page 89*)

LIGHTING

Daylight vs. artificial light: All in all, artificial light is preferred to natural light. Daylight, varying with the brightness of the sun and the sky, cannot be controlled. Artificial light, on the other hand, can be controlled for intensity, direction and color.

Fluorescent or incandescent? The popularity of fluorescent lighting is in large measure due to the belief that it is less expensive than incandescent lighting. This isn't necessarily true. While fluorescent lamps burn longer, they do not give as much light. This means that more lamps are required to maintain a given level of illumination. Furthermore, fluorescent lamps need auxiliary fixtures which raise the initial price and increase the cost of maintenance.

Incandescent lamps, on the other hand, give more light . . . but do not last as long. While fewer of them are needed, they do not provide as uniform a level of illumination as does the continuous-row fluorescent system. Hence, harsh shadows often result. The compactness of standard incandescent lamps allows greater accuracy and flexibility of output. And the absence of auxiliary fixtures makes this lighting system low in initial cost.

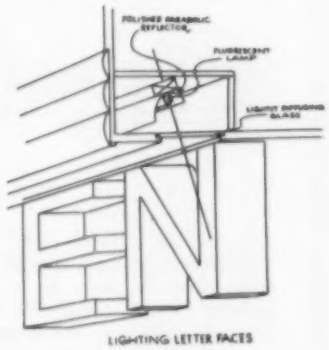
In the long run, each of these lighting systems costs about the same. Both have a place in the modern cleaning plant. Fluorescent lighting can be used for over-all illumination of the premises and incandescent "spots" to give additional lighting where needed. For example, to highlight displays and in critical areas such as marking, spotting and inspection.

The only thing that would prevent a plantowner from using both systems is the type of electrical current he has in his plant. The plant must be operating on alternating current (a.c.) if fluorescent lighting is to be installed.

How much light? The amount of light required depends on the visual task to be done. Obviously, more light is needed in production areas than in hallways and corridors. Going a step further, the spotter would need more light than a presser because he must look at the garments more closely.

Brightness is not the criterion of good lighting practice. Rather, there should be a minimum amount of contrast. In most plants, an over-all illumination level of 50 footcandles is recommended. This should be supplemented by additional illumination of between 70 and 150 footcandles (or, on the average, 100 footcandles) on tasks requiring more detailed inspection.

Types of lighting fixtures: The use to which light is put will influence the selection of lighting fixtures. These fixtures (or luminaires) are more than





Tips on Sign Lighting

Deep cut-out, glossy letters (figure at left) make a better visual impression when the letter face is of a lighter color than the sides. When lighted in the manner prescribed above, legibility at wide angles is improved and the images of the lamps are not generally visible to detract from the appearance of the sign. Plantowners in cooler climates can assure good lighting output of the fluorescent lamp by enclosing the fixture to prevent radical temperature fluctuations.

A wedge-shaped cavity (figure at right) can be equally effective for back-lighting where the usual rectangular cavity is not practical. In both instances the best results are obtained when the cavity is painted white.

just lamp holders. Their purpose is to direct the light where it is wanted and, at the same time, distribute it to illuminate the surroundings.

When the fixture directs all the light downward, it is said to be "direct" lighting. When all the light is directed toward the ceiling, it is said to be "indirect." Semidirect light combines in varying proportions the effects of direct, diffuse and indirect lighting—downward light for specific working areas, horizontal light for wall surfaces, and upward light to brighten ceilings.

Direct lighting is generally used in production areas and represents the most efficient (and inexpensive) way of getting light on work. While it is apt to produce glare, this difficulty has been largely reduced by the introduction of fluorescent lamps.

The fixtures in this group (as well as those in the semidirect group) can be further divided into two classes—(1) those which distribute the light, and (2) those that concentrate it.

Distributing fixtures give the most uniform illumination when they are spaced so that the distance between units is approximately equal to their mounting height above the floor. As a general rule, they should be used where the width of the building is at least four times the mounting height of the lighting system.

Concentrating fixtures are designed to direct as much light as possible into a restricted area. Their use is recommended where the building width is equal to or less than the mounting height of the units. Where this is the case, it is desirable to space the units closely to overlap the beams and minimize harsh shadows. The space between units should be no more than three-fifths of the mounting height.

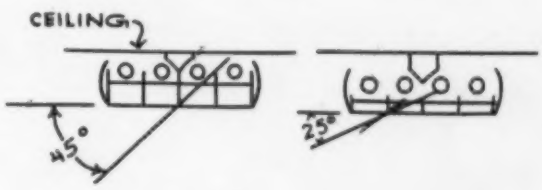
Indirect lighting is the least efficient system and quite costly. Glare is eliminated but a great deal of light is wasted in transit from ceiling to work surface. It can be used effectively as a decorative feature in the call office. For best utilization the ceiling should be painted a flat white to reflect a higher percentage of light striking it.

Semidirect lighting is more widely used in low-ceilinged plants. The fixtures in this class direct from 60 to 90 percent of the light downward and the rest up toward the ceiling. Some of this ceiling light is reflected to the walls; the result is a clean-appearing space with low brightness contrast. Although of somewhat lower efficiency than a direct lighting system, the over-all effect is quite pleasing. To get the most out of this semidirect system, the walls and ceilings must have a light finish.

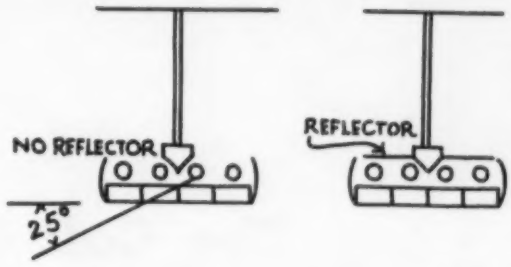
Where to get help: If you are planning to bring your lighting system up to date consult your local utility. Very often it provides a helpful service for its commercial customers. On request it will make a thorough lighting study of the premises and recommend what you should have in the way of fixtures and appliances to achieve the most effective illumination.

While the utility company normally will not make the installation itself, it will on request submit a list of regular electricians and contractors available to do the job in your neighborhood. You can then negotiate with these tradesmen on your own hook. # #

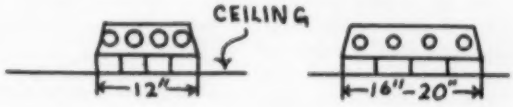
Choosing the Right Luminaire



A - ATTACHED LUMINAIRES



B - SUSPENDED LUMINAIRES



C - RECESSED LUMINAIRES

In selecting the luminaire best suited for your general lighting needs, the following facts should be considered: When the fixture is to be mounted directly to the ceiling (A) the depth of the louver is important. The deeper louvers have a greater shielding angle and provide more visual comfort by reducing glare; the shallower louvers, on the other hand, make for a more efficient use of light since they permit a wider spread of light, laterally. When the fixture is to be suspended from the ceiling (B) the work surface is more efficiently lighted when the light is reflected downward. When no reflector is used, the light escaping upward is wasted unless it is desired to reduce contrasts between the fixture and the ceiling, or to create the feeling of greater spaciousness. When the fixture is to be recessed in the ceiling (C) the spacing between lamps should be considered. Close spacing decreases efficiency because more light is trapped in the unit. Thus, lamps spaced at equal distances in a 16-inch fixture are more efficient than lamps of equal wattage spaced similarly in a narrower fixture.



EXCELLENT EXAMPLE of effective call-office remodeling is portrayed in before and after photos of this La Porte, Indiana, plant. New exterior is finished in sandstone, glass and metal. Note advertising merits of night lighting. Renovation cost approximately $5,000

The Call Office

YOUR STORE is your public face. It is the first thing that a potential customer sees. And it immediately forces him to judge whether or not he would like to do business with you. If it is pleasant, all well and good. If not, something should obviously be done about it.

According to national estimates a store front can sell up to 25 percent of your gross sales before people ever get inside. This is the kind of salesman you want working for you.

If you have done no modernizing for at least five years, now is the time to start thinking about it. Most architects figure that a planned modernization is good for a minimum of five years and a maximum of ten years.

Will modernization help me?

Any planned program results in greater efficiency and increased sales. Just what the increase will amount to depends on the business potential of your present location. If you have not already done so, you can find out what the potential is by making a traffic and population survey, by checking the business done in similar localities, or by finding out how much business is done by other establishments in the neighborhood. If the potential is there, go ahead.

Modernization is not only good insurance against loss of business to competitors, but it boosts employee morale and increases your own local prestige as a progressive businessman.

How much will it cost?

It can cost as much or as little as you want to spend. You can brighten up your store front with some new colorful trim very inexpensively. Some plantowners add new doors one year, a front the next and a sign the third year. In most cases, modernization need not entail any major structural alterations. The cost will depend on the size of the store, the material used and what you want to do. If structural changes are re-

A Few Suggestions for the Store Front



Photographs courtesy Kawneer Co.

Left: ANGLED FRONT directs shoppers out of traffic into store, adds interest and increases visibility. Center: TRIM USED HORIZONTALLY makes narrow store appear wider. Marquee protects display and shoppers. Left: PICTURE FRAMING assures identification simply and effectively

quired you will probably be obliged to have them approved by an architect. In such cases, it is smart to have the architect help you on the whole job.

How much should you spend?

One general way of figuring this is to plan on amortizing the major portion of the modernization costs over a 10-year period. Then consider this as part of your rent. You probably already know what percent of your gross income can reasonably be spent for rent. Allow extra for the increased business which modernization will bring in arriving at this figure.

How can you finance a modernization program?

Loans for this type of improvement can be obtained. You can get them on a mortgage basis from a bank or loan company as you would get a loan for a new store or house. Discuss the possibilities with a local banker or some other loan official. If you have an architect, he will furnish you with plans and estimated costs to use as a basis for a loan.

What if you only rent your store building?

If you don't own the building, you have a right to wonder whether you should go into debt to remodel someone else's property. Should you decide to do it yourself, be sure to sign a long-term lease—at least 10 years—before borrowing money.

Another way to do it is to get the landlord to put up the money for remodeling. If he puts down, let us say $4,000, for such a project he could protect his investment by drawing up a long-term 10-year lease with a clause stating that the rentee would then pay him a percentage of any increased business up to a maximum of $400 a year. This would be over and above the rent already being paid. Another clause could also state that the rentee would pay a minimum of 4 percent of the cost of the front, or $160 a year above the previous rent.

No matter what happens, both landlord and tenant stand to benefit. If business increases so much the cleaner has to pay the maximum of $400, why should he complain? And at the end of 10 years, the landlord will have the remodeling paid for and still own an up-to-date front.

Will your business suffer during remodeling?

It shouldn't, if you prepare wisely. Progressive businessmen use this opportunity to promote business. They hold "Remodeling Sales" before and during the actual remodeling and have a "Grand Opening" promotion when remodeling is completed. Your business should continue to operate fairly normally during both internal and external remodeling.

How do you go about modernizing?

The best way, of course, is to consult a competent architect. He will have the ability to study your needs, and then make necessary plans to fulfill them. He is capable of taking the elements of light, color, signs, fixtures, doorways and floor coverings and blending them into a well designed whole. In the long run he will save you money, through his supervision of competitive bidding and of materials used. It will cost you nothing to ask an architect what he thinks of your modernizing prospects. He will analyze your problem with you and then help you make a budget for handling it.

There are also firms in your locality which specialize in putting new fronts on stores. Check the classified section of your telephone directory to find the ones in your area. Their representatives are provided with a wealth of material which will help you decide just what sort of changes you want. And they will gladly advise and give you an estimate of the costs.

Where to begin?

The first order of business is to determine what you need and want. Drycleaning establishments are unique and no one can appreciate their particular problems better than the plantowner can. If he can pinpoint his requirements, it can simplify the remodeler's task considerably.

EXTERIOR CHECKLIST

Identification: Take a look at your call office from across the street and try to give an honest appraisal of the situation. Does your establishment compare favorably with the others on the block? Does it have any distinctive features which make it outstanding? A new front, paint job or even brighter interior illumination can often make a whale of a difference.

What about your signs? Do they

Remodeling Costs



Call-office costs involve so many variables that we can't even give you a rule of thumb. The office shown in this picture cost about $12,000. The same office in your plant might cost anywhere from $10,000 to $20,000.

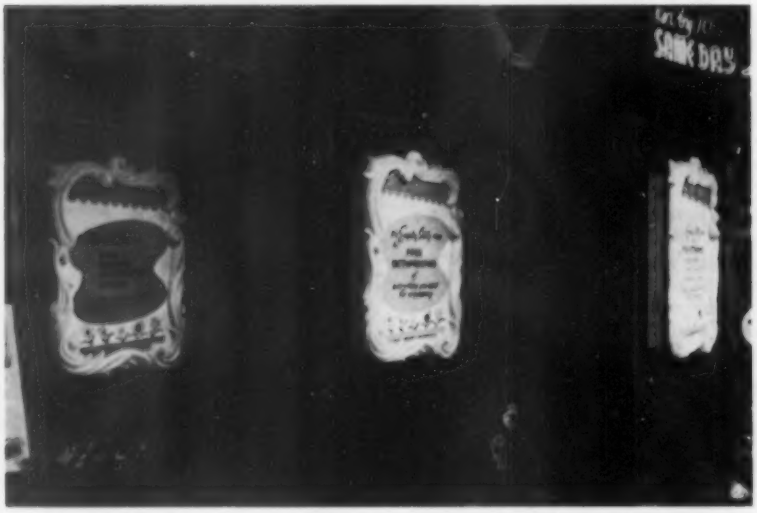
The office is a new one at Acme Cleaners, Des Moines, owned by Frank Spuzello. Frank and his son did a lot of the work themselves. He breaks down his costs like this:

- **Glass front, including 45 feet on the front, 26 feet on the side, and three tempered glass doors —$3,400.**
- **Asphalt tile floor—$1,000.**
- **Fluorescent luminaires—$512.67.**
- **Wiring—$1,537.80.**
- **Lumber, including knotty-pine paneling, framework, and accoustical-tile ceiling—$1,477.**
- **Two carpenters for six weeks labor—$1,000.**
- **Air conditioner (7½-ton) for store and two business offices — $3,000.**

This adds up to $11,927.47. Frank and his son finished the wood themselves, which involved sanding, washing down with alcohol, a coat of white shellac and two coats of varnish. To contract this work would have cost another $650.



SCREENING MATERIAL makes interesting background and provides easy method for attaching signs and shelving without damaging permanent wall



STAGGERED PANELS make it just as easy to read the signs from inside or outside of the call office at this plant

tell who you are and what you do? Can they be easily read by the pedestrian and motorist alike? Are they visible at night?

Most stores will require at least two signs—one at eye level for close-range reading and a larger sign for easy identification at a distance. Whether you should use a flush-to-the-wall, roof-top, overhanging sign or a pylon will depend on your building site and local ordinances.

It has been estimated that the typical pedestrian takes an average of less than 7 seconds to pass the average store window, while an autoist takes less than 3 seconds. Every device that can be used to attract the passerby should be employed.

Structure: How does your call-office front measure up so far as size is compared? One metropolitan architect estimates that a pickup office (with no processing being done on the premises) must have at least a 12-foot front to be effective. Remodeling has been done effectively on stores of narrower width, but the closer it is to a 20-foot front, the more latitude there is for architectural renovation. This same architect considers anything over a 20-foot front for pickup stores in city areas to be wasteful. If you are planning to put a store in a new location, the wisest thing to do is to consult with the architect first before buying or signing a lease.

A small store can be made to look larger by recessing the front, using diagonal patterns for flooring, making a careful selection of color schemes, and sometimes by skillful use of mirrors. Quite often no radical structural changes are required.

Windows: Can you see what's going on inside the call office? Or do glare and reflection on the plate glass create a visual barrier? The reason for this is that there is more light outside than in and the glass for all practical purposes becomes a mirror veiling the interior. These visual distractions can be minimized.

Ideally, the best thing to do is to have more light inside than out. Unfortunately, artificial illumination can never successfully compete with the tremendous power of the sun.

Increased illumination can be beneficial, however, when used in conjunction with some type of awning or canopy. These shield the front from sunlight and heat and, at the same time, help intensify artificial interior lighting. Tilting the plate glass from its vertical plane provides an alternate solution to the problem if it is done intelligently.

Another glass problem, particularly in establishments that do their processing on the premises, is steaming windows. The use of double insulating windows can be of some aid here and proper ventilation may eliminate the difficulty entirely. For example, warm dry air directed at a troublesome window evaporates moisture before it has the chance to form and fog.

Entrances and doorways: An entranceway should never have exterior steps or stairs. They are hazardous and almost any means should be taken to avoid having them. The best remedy is to use a ramp where it means eliminating one or two steps. If this is impractical, the next best alternative is to make the steps part of the store interior.

The location of the door is also important. It should be where it will do the most good in relation to in-

terior layout and the way you want people to move around inside the store. A center location on the store front between plate windows is seldom a good choice. It might result in waste space on either side of the door which might be put to better use if the door were placed to one side. Such an arrangement might provide enough room to put in that shirt unit you've been meaning to install in the front window.

Corner entrances are almost as bad as center doors. The corner is your best display area, since it may be seen from two sides. It's a shame to waste this most valuable selling space as an entranceway.

The door itself should never be a barrier to incoming customers. Where it is possible to use them without danger, two-way swinging doors are preferable to those which open one way. (Local building laws will specify which way the door should open; check them.) To make it easier for bundle-laden customers not a few drycleaners have installed automatic doors which are actuated by the breaking of a beam of light across the threshold.

Transparent doors, such as those made of tempered glass, provide excellent vision into the store and eliminate possible accidents. If you plan to use an all-glass door, however, remember that such doors require a narrow vertical gap at each side for clearance. These openings may admit dust and drafts to the interior. Metal-framed glass doors make a tight seal and also minimize the danger of people bumping into them accidentally.

When it is at all possible, some provision should be made for a separate egress for supply deliveries, company routemen and employees in order to reduce traffic jams. At the same time you might consider making some provision for those customers who would like to drop off garments after regular store hours.

Are you still satisfied with your present store front?

INTERIOR CHECKLIST

Space: Are you content with the amount of call-office space you have presently available? If you are building a new plant or establishing a new store, how much room will you require?

Ideally, a store should be big enough to accommodate all the patrons during the busiest hours of the day. Esthetically, it should have rectangular form. For example, if the store is 20 feet wide, it will look best if it is approximately 12 feet deep. Conversely, a store 12 feet wide looks better if it is 20 feet deep.

Too many drycleaners resolve this customer-space problem by allotting only that portion of floor space that is not required for processing and storing of garments, with the result that call-office space is woefully inadequate. Even though an architect might be able to improve these conditions, it imposes too many limitations on his talent. That is why it is best to seek his services before making any commitments in new locations.

Floors: Floor surfaces, in the call office in particular, are subjected to an unusual amount of hard usage and must be able to stand up under all sorts of weather conditions. They must, therefore, be durable yet attractive, easy to walk on and clean.

Terrazzo, a mixture of marble chips and cement, is one such long-time favorite. It is comparatively inexpensive and preferable to most natural stones because it is easy to put in and is available in a wide variety of colors and textures. Ceramic tile is also popular and serviceable. Brick, flagstone and slate are quite adaptable where special effects are desired, but they are harder to keep clean than the more smooth-surfaced materials.

Linoleum, cork, rubber tile and other resilient materials are also quite satisfactory in moderately heavy traffic areas and much easier on the feet than stone. They are, furthermore, available in all sorts of colors and simplify the remodeler's task considerably where changes are desired.

Another aspect to bear in mind when selecting new flooring is that any material which is laid in small, separate units is much easier to replace. Plywood laid in rectangular units, for instance, is much easier to maintain than wood laid in strips.

Walls and partitions: Walls are used not only to provide structural support, but to admit light and screen out the elements. Inside or out they also serve as background for signs and displays and are an integral part of the decorations.

Although usually made of some substantial material such as brick or cement block, the interior surface can be finished in almost any material conceivable, from stone, metal, wood, glass to paint, plastic, paper and even cloth. If you are simply using wall surfaces as a place to hang notices and any and all posters and signs, you are not using them to the best or fullest advantage. The texture of an unusual surface lends interest to the store itself. Skillfully selected it can correct building defects, enhancing the premises and, psychologically, even the service.

Although there is a definite trend toward the wide-open type of interior to take the mystery out of drycleaning processes, many plantowners still use some type of partition to separate the call office from the production and storage end of the plant.

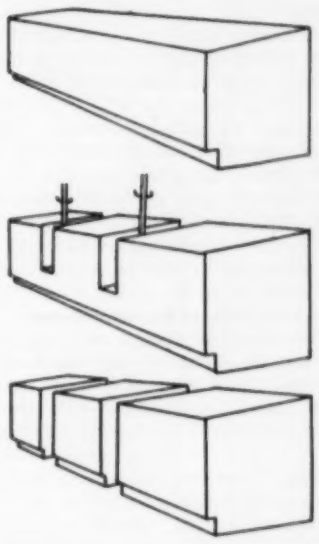
Partitions can be made from innumerable materials, do not carry structural loads, and need not be fixed permanently. They may be used as a background for sign or display, to enclose some specialized space (such as a marking area) and as a

Call-Office Counters

There are essentially two types of call counters—the one-piece and the sectional. The sectional (bottom) are usually smaller and convey the idea of a more personalized service. Being smaller they are also more flexible. They can be moved together to form one long counter, or set in a square, horseshoe or staggered pattern as desired.

The one-piece counter (top) lacks this flexibility, but makes a more formidable barrier to keep the general public (particularly, the youngsters) up front and out of the counter girl's way.

Some plantowners have managed to retain the "fencing" qualities of a long counter and the informality of shorter units by breaking it up (center) with "wells." The finished garments are hung in these wells while the customer waits for his change. The wells facilitate passing bulky items over the counter, thus minimizing wrinkling.



baffle against sound, heat or the spread of fire.

Partitions need not extend from floor to ceiling and, in fact, it is best if they don't. Leaving a gap of several feet between the top of the partition and the ceiling allows for free circulation of air, adequate spread of light from ceiling fixtures, and need not interfere with air-conditioning or sprinkler systems. Architecturally this gap is often used purposely to create the illusion of greater depth in a small call office. It makes it look bigger by eliminating foreshortening.

Permanent partitions are required by law in enclosing fire stairs, mechanical shaftways and very often drycleaning equipment itself. Such partitions should be built of masonry.

Ceilings: Does the jumble of pipes, ducts and lighting fixtures compete for attention with the call office below? This condition can be overcome somewhat by the use of false ceilings. Obviously, the best job will result when this problem is met and resolved early in the building stage.

For all practical purposes, the ceiling in the production department can be left unfinished. In the call office it should be finished off. Materials for this purpose are classified as flexible and inflexible.

Inflexible ceilings are usually surfaced with some form of plaster. While such a surface is attractive, its rigidity imposes certain important restrictions. At the installation stage it is messy, takes a long time to dry and can't be painted until it is thoroughly dry. This means that its use creates delays in construction and holds up other workers who must wait until plastering is completed. But the greatest disadvantage is the lack of flexibility, for lighting fixtures, sprinklers, grilles and plug-in electric outlets are permanently fixed and cannot be readily moved as the need arises without marring the existing finish.

Flexible ceilings are made up of prefabricated panels which are suspended in grids below the level of these overhead wireways, conduits, sprinklers, etc. They are made of metal or plastic or wood louvers when the lighting fixtures are to be suspended above ceiling level. When lights are to be set flush with the ceiling prefabricated panels of acoustic tile, plywood, building board, metal pans, etc., are most commonly used. Egg-crate louvers and perforated metal or asbestos panels filled with acoustic material are quite reasonable and have the added advantage of deadening sound.

It can readily be seen that with this type of ceiling finish the mechanical lines are always accessible and readily altered to suit any requirements. They are easily installed and form an interesting and different type of ceiling.

Fixtures and furnishings: The call-office counter can be made of practically any material and in any size. Some cleaners prefer to have separate counters for receiving and returning garments to speed the flow of customer traffic. In this case, the former are somewhat larger than the latter, since more room is needed to spread out and examine the incoming garment. Size and layout will thus be determined by the way you want people to move about the store.

In planning on the fixtures do not overlook shelving space for those items which are not hung on hangers, such as shirts, sweaters, blankets, etc.

In your examination, check to see if you have included such customer conveniences as drinking fountains, dressing rooms, chairs for resting, and tables or shelving where the customers may place bundles or parcels while they make their visit. Customers also appreciate some form of weather protection, which will provide some temporary shelter from the elements, especially in stormy weather.

Generally speaking, the call office can be finished in wood, metal, glass or some form of masonry. The best material will be that which is appropriate (so far as color and texture are concerned), durable, economical and easy to install and maintain.

The variety of old and new materials available today offers unlimited possibilities for distinctive treatment.



Making the Office Interesting

How do you draw attention to a store that doesn't have anything to sell? This is a basic problem facing the drycleaner who wants an interesting call office.

It's possible to attract attention with neon signs, banners, etc., but not so easy where gaudy displays are not appreciated.

Plantowner Hymie Mitkowsky of Empire State Cleaners in New York City wanted to open a branch office in a wealthy section of Manhattan's Madison Avenue where overhanging signs were banned and sign-plastered windows frowned on. The consulting architect solved the problem by making the office a display in itself.

The open glass front draws the pedestrian's attention to the stark white Empire signature on the walnut panel separating the office from the storage area. (This serves as the theme and is repeated on the firm's call-office exteriors.) The Madison branch is finished in bronze which is the standard facing material for the building. Since an all-walnut office would be dark and monotonous, one wall is finished with whitewashed brick and the other with burlap cloth painted red. The combination makes a clean, unusual effect.

Permanent and seasonal signs have been incorporated into the architecture. The former are made of white letters designed to fit holders on the panel below the signature; the latter are placed in lighted wall niches to one side of the call counter. Seasonal specials are set on an easel in the front window. The office is further enlivened by the use of greenery and plenty of light. (Up to $2,000 has been spent to light some call offices adequately.) The lights help minimize glare and reflections during the day and are purposely "spilled" out on the sidewalk to attract attention at night.

To make the store appear larger, a glass panel carries the brick wall past the partition. Depth and width are also exaggerated by stopping the panel short of the ceiling and by using a diagonal pattern for flooring. The alterations cost about $16,000 including $2,000 bronze and glazing work, $6,500 for construction, $1,000 for wiring and fixtures, $1,500 for carpentry and architect's fee.

Hundreds of new and derivative materials are making their appearance each day, being given new forms and uses. No one catalog could ever hope to list them all completely.

The following pages describe those materials which are perhaps best known and most often used in store building and renovation.

WOOD

Wood is one of the most versatile and important materials used in store construction. It is structurally and decoratively appropriate, and is functional inside or outside the building. It is highly adaptable for almost any purpose — walls, floors, ceilings, counters, signs, fixtures—its uses are countless. It comes in a wide range of sizes, forms, textures and colors. Best of all, it can be assembled on the job or prefabricated and can just as readily be disassembled, altered and reused.

How wood is measured: Lumber is usually sold in standard dimensions of thickness, width and length. Most dealers stock various thicknesses of the hard woods, ranging from ½ to 6 inches and in random lengths and widths, ranging from 4 to 16 feet in length and from 3 to 12 feet in width. "Shorts," or those pieces not attaining standard dimensions but which are of equal quality, are often sold at lower prices. The soft woods come in standard thicknesses of 1 to 3 inches, and lengths ranging from 8 to 20 feet, in multiples of 2 feet.

How wood is sold: As purchased from the dealer, lumber is either *rough* or *surfaced*. If it is surfaced on two sides only it is known as S2S (surfaced two sides). It can also be bought with both edges and sides surfaced; in that case, it is known as S4S (surfaced four sides). Keep in mind, however, that surfacing removes some of the material, reducing the dimensions. Thus, a 2-by-4 in the rough may be only 1⅝ inches thick and 3⅝ inches wide when it is surfaced or dressed. If lumber of definite dimensions is required, the finished dimensions must be specified.

Most lumber is sold by *board measure*. The unit of board measure is the board foot. A board foot is an amount of lumber equivalent to a board which is 1 inch by 12 inches by 12 inches. When ordering, each size is listed separately, giving the number of pieces, then the thickness, the width and finally the length. For example, 10 pieces 1″ x 8″ x 10′. (The symbols ″ and ′ stand for inches and feet.) Charges are then made for the number of board feet at a price per thousand board feet.

The number of board feet is found by multiplying the thickness in inches, by the width in feet, by the length in feet. In the example given above, 1″ x 8″ x 10′, if the width is expressed in feet, each piece contains 1″ x 8/12′ x 10′ which equals 20/3 or 6⅔ board feet. As there are 10 pieces, the total would be 6⅔ x 10, or 66⅔ board feet, which is charged as 67 board feet. If the lumber were quoted at $120 per M ($120 per thousand board feet), this would be 12 cents per board foot. The total cost in this example then would be 67 x 12 cents or $8.04.

Be specific. If you simply order a certain number of board feet, say 200 board feet of 1-inch pine, you may get them in an assortment of varying widths and lengths. Another point to remember when ordering lumber less than 1 inch thick is that the dealer usually charges it as a full inch thickness.

Moldings and other special lumber are sold by the running foot; laths and shingles by the bundle; plywood and veneer panels by the square foot. Prices will vary according to the grade of lumber. The higher grades having the fewest imperfections, such as knots, checks and pockets, naturally cost more.

Natural woods: Nature-grown, their numbers are many and varied. Selection will depend on the use to which they are to be put. Some are employed simply because they provide an inexpensive means of doing a particular job. Others are chosen because their texture makes an interesting decorative pattern in itself. Whatever the purpose, natural wood can usually do the job.

Manufactured woods: In this classification, *plywood* is undoubtedly the best known. It comes in many forms and finishes—flat sheets, curved and molded shapes, bonded to other materials. It can be waxed, stained, ebonized or painted and can be fastened with nails or screws. It has structural strength and durability.

Plywood is manufactured in a variety of sizes, the most common being ¼, ½ or ¾ inch in thickness, 2, 3 or 4 feet in width, and 2 to 8 feet in length. Determine the exact size needed and ask your lumber dealer for the nearest available size.

Veneer is a form of plywood in which the outer layer is chosen for its appearance rather than its strength. The sizes are approximately the same as those of ordinary plywood, but the cost of the veneer stock depends upon the price of the wood on the outside layers. Catalogs provided by large plywood companies contain a wealth of information.

Wood substitutes: *Hardboard* is made of finely ground wood, mixed with a bonding material and pressed to a standard thickness under heavy pressure. It is heavy, hard and brittle, has one smooth grainless side, is fire-resistant and practically waterproof. It can be nailed, sawed, planed and worked like wood. Steamed or soaked, it can be bent around a curve. It is excellent material for small shelves and panel work that is to be painted. Often it is used on ceilings and walls of rooms, and when finished, produces a durable, strong and flat surface.

You can buy hardboard in sheets 4 feet wide and from 6 to 12 feet long. Prices range from 6 to 8 cents per square foot. It may be purchased under various trade names.

Wallboard: There are several boards which would come under this classification. Some are made from a wood-fiber pulp, others have a wood-fiber pulp cover with a thin wood core. Normally wallboard is an inexpensive sheet material which is not specifically hard, and has no particular insulating value.

Wallboard may be used for panels in low-cost jobs and ceilings and walls, provided it has some sort of backing to prevent buckling. If you plan to paint it, be sure to size it first. It is a good sheet material for temporary jobs, and comes in about the same sizes as hardboard does.

Insulating board: The materials called insulating board vary greatly in their texture and composition. It is usually much thicker than wallboard or hardboard; is fairly smooth on one side; can be nailed but is not firm enough to take hold of a wood screw. It is quite absorbent, and much more inflammable than the hardboards. It can be worked with wood tools but its soft texture makes it unsuitable where sharp edges and square corners are desired. This material should be sized before painting.

Fire-resistant board: Many different fire-resistant boards are available. Some may be classified as hardboards; other are merely heat-resistant filler material, not having sufficient strength to be used without protection.

Asbestos pressed into smooth or perforated sheets makes an excellent low-cost, durable, fireproof finish for walls

or ceilings. It is also weatherproof, making it suitable for exterior finishes.

METALS

Few buildings could be built today without using some form of metal in their construction or finish. Almost any metal used in store work is an alloy of several basic metals.

Steel: While it is seldom visible in the call office, steel is present as the structural base for walls, ceilings, floors, columns, etc.

Stainless steel: This weatherproof steel alloy is most often employed in sign lettering, store-front glazing work and as an interior finish of walls and columns. Easy maintenance makes it preferable to other metals in spite of its comparatively high cost.

Aluminum: This popular metal is widely used as trim, facing and awning material for store fronts, in window glazing and door supports, and may also be found as a wall or ceiling finish. It has an attractive appearance, can be fitted around corners, angles or curves, and can be applied to masonry, frame or metal.

The initial cost of aluminum is also quite reasonable. For example, a 5-by-20-foot identification background made of an aluminum facing material costs between $250 and $350, installed.

Bronze: This metal has long been used for store-front and interior glazing and trim. Its color gives a rich-looking appearance and it is used where a quiet, dignified look is required. It is not as popular as stainless steel or aluminum, because its initial cost is high and it requires much more maintenance to keep up its appearance.

Porcelain enamel: Useful both in and out of doors, this material is popular as a wall finish. It can be used in the form of hollow pans or in slat form. Either way, it is reasonably priced, easy to maintain and offers a wide range of permanent colors.

GLASS

The modern trend toward open-face fronts has had a tremendous effect on the use of glass as an important building material. Plate glass is a familiar window product. Tempered, it serves a more rugged use in entrance doors. Doubled, it provides insulation against cold and heat. As structural glass, it can be used as a wall or ceiling finish. In corrugated and translucent form, it doubles for skylights and partition walls. It comes in block form and can even be woven into cloth.

Just how glass is used will determine the cost. Plate-glass manufacturers estimate that a new glass front, completely installed, will cost approximately $6 per square foot.

MASONRY

Masonry work is apparent in both exterior and interior call-office construction. It is most commonly used in walls, columns and flooring, although it is not uncommon to find it in roofs and ceilings.

Natural stones: In contemporary design, stone is used primarily as a surface finish rather than as a load-bearing material. Cut in slabs and polished, it gives a rich, permanent appearance to exterior and interior walls. Selection should be made of close-grained stones which are resistant to both wear and weather. Soft and porous stones are undesirable. For structural use brick, concrete block or tile are preferable to stone since their uniform size and shape make them more adaptable.

Limestone's neutral gray color makes an impressive backdrop for the more colorful handling of store fronts, entrances and signs. It comes cut in large panels, makes a good weatherproof finish but, unfortunately, turns dark to black after a few years of exposure. It is moderately expensive.

Marble may be used as a finish for walls, floors and even ceilings. If it is to be used out of doors choose a marble of the type that resists dirt, soot and chemicals, otherwise it will suffer loss of color and texture. Installation and upkeep are comparatively expensive.

Fieldstone is easy to install and maintain and is currently enjoying high popularity where its rough-textured surface is used in contrast with such smooth-surfaced materials as brick or stucco for exterior walls.

Slate and flagstone are used to best advantage when combined with masonry walls. Both are available in a variety of colors, are durable, cost little to maintain but are fairly expensive to install.

Clay materials such as brick, tile and terra cotta are generally used as surface finish for roofs, walls and floors. They are available in a variety of colors, are quite serviceable and cost less than stone.

Brick is a clay product which is particularly versatile for construction and decorative purposes. It may be used in its natural finish or else painted or whitewashed. It is also available in a glaze finish which is waterproof and washable. All in all, it is less expensive than stone and almost as durable.

Tile is available in a variety of colors and is used as a finish veneer. It has no particular strength as a load-bearing material. It is attractive, easy to maintain and low in cost.

Terra cotta, another clay product, has practically all the desirable attributes of brick. Although it is useful as a finish for exterior walls, it can also be used structurally. Like brick, it is durable and inexpensive and available in a variety of colors in glazed or natural finish.

Wet-mixed materials such as concrete, plaster and stucco, are especially useful in the construction of permanent walls and floors.

Concrete is an important structural material but not particularly practical as a surface finish since it needs a great deal of care. It is possible to give concrete panels a durable finish, however, if close-knit materials are used in its composition.

Plaster is still the most economical material used in finishing interior walls and ceilings. But it does have its disadvantages so far as installation, flexibility and maintenance are concerned.

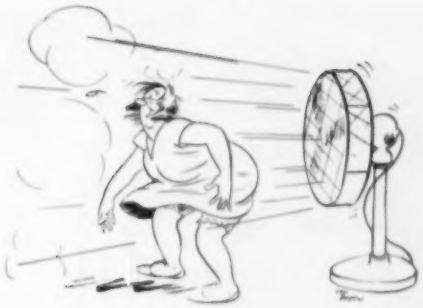
Stucco is a form of waterproof plaster used outdoors as a smooth and interesting surfacing material. Unfortunately, it requires considerable attention as it cracks and collects dirt.

MISCELLANEOUS MATERIALS

In addition to the basic materials mentioned above the drycleaner will find any number of accessory materials to enhance and lend distinction to the call office. Certainly such easily applied finishes as *wallpaper* and *paints* will always be invaluable aids in good housekeeping.

No list would be complete without at least some mention of *plastics.* Plastics are finding a wide variety of applications in modernizing programs, where they are used in signs, ceilings, walls and flooring material. They're also used in counter tops, furniture upholstery and even in the form of plastic bags for covering finished garments. Plastics can be hard or soft, transparent or opaque, colorful or colorless. Most are waterproof and can be cleaned with a damp cloth; some are even fireproof. And most plastic products are reasonably priced. # #

Ventilating Cooling and Air Conditioning



VENTILATING AND COOLING are really two different problems, although they are often handled by the same equipment. *Ventilation* might be defined as bringing in outside air and exhausting stale or used air. *Cooling* involves the reduction of heat, and may be accomplished by a number of means which do not affect air circulation. *Air conditioning*, as defined by engineering handbooks, is generally understood to mean the simultaneous control of temperature, relative humidity, air motion, air distribution and ventilation.

Ventilating: If a plant consists of a relatively open area with a minimum of partitions, it can be most simply ventilated by a system of one or more exhaust fans at one end of the building and a row of open windows at the other end. Air is drawn across the entire interior expanse. If the interior is chopped up there are almost sure to be dead spots with little or no circulation. In such cases it is necessary to install separate fans to keep the air moving within the dead spot.

Where should the intake spaces and the exhaust fans be placed? Two basic points are involved. The first is that the air should be sucked in from the coolest side of the building—probably the north if the plant is exposed on all sides. The exhaust fans would be placed in the opposite wall. The second factor involves placement of equipment. If the cleaning room were placed immediately adjacent to the intake spaces, there would be the possibility of solvent fumes having to pass all the way across the plant before they could be exhausted. The cleaning room, accordingly, should be as near to the exhaust as possible. Building codes usually specify that air in a petroleum cleaning room must be changed once every six minutes; synthetic rooms must have "adequate" ventilation.

Cooling: Adequate ventilation may also be adequate cooling. If you have done your utmost to reduce the amount of heat being released, you may get by. If every hot steam or water line is properly insulated, if tumblers are insulated, if hoods or canopies are provided to carry off steam from finishing equipment as fast as it is released, if the roof is vented to keep hot air from collecting near the ceiling, adequate movement of air through the working area may make the plant passably comfortable on hot days.

It is impossible to make hard-and-fast rules on ventilation as no two plant problems are the same. Plant location, air-flow obstacles, construction, ceiling height, position of windows—these and many other factors are involved. Perhaps the greatest is the extent to which ventilation and cooling are to be combined.

For many plants, cooling makes the difference between tolerable and intolerable working conditions. Progressive drycleaners have learned that comfortable working conditions are more than a competitive advantage in the job market; they are also a means of maintaining efficiency. In today's labor market and economic situation, drycleaning profits are closely tied to a stable and efficient work force. If you can't provide a comfortable plant in which to work, you have, or soon will have, plenty of competitors in the labor market who can.



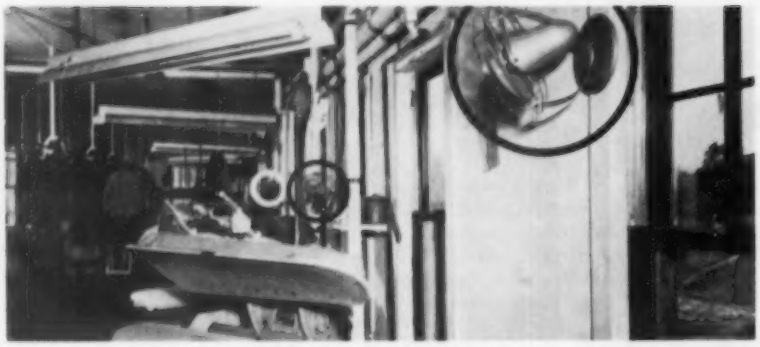
If you are setting up a system of spot rather than over-all cooling, experts stress the importance of insulating ductwork. Ducts made of or covered with insulating board will considerably reduce the cooling load.

As far as call offices are concerned, retail and service outlets of all kinds are rapidly becoming air-conditioned. It is certainly the trend in drycleaning call offices as well. Your customer shops in air-conditioned stores, eats in air-conditioned restaurants, may work in an air-conditioned office, and is undoubtedly thinking of buying a home air conditioner (if she hasn't bought one already). Why shouldn't her drycleaner offer air conditioning, too?

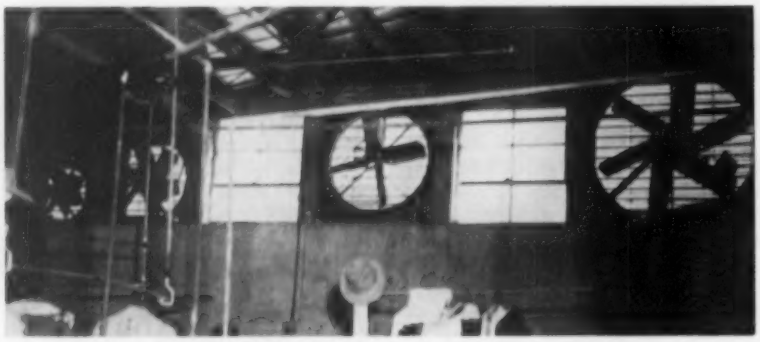
So much for the why's of cooling. Now for the how's.

For practical reasons, over-all cooling is beyond the means of most plant-owners. It can be done, as we will point out, but it is quite a bit more expensive than spot cooling, which is the next best thing. In essence, the system consists of an evaporative cooler—usually on the roof—which passes air through a water spray and over a set of water-soaked pads or mats, through a filter which dries it, and through a system of metal ducts to the

Four Methods of Cooling



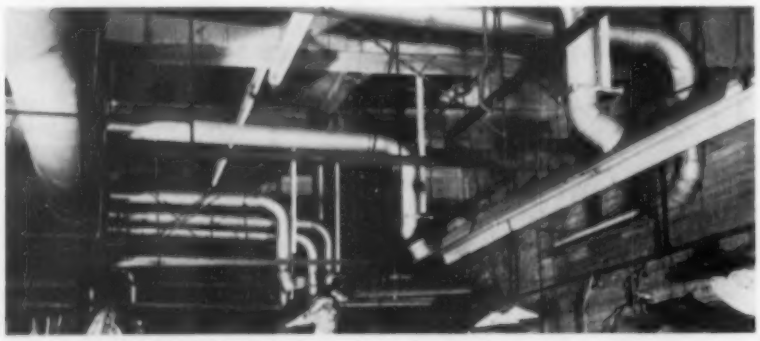
INDIVIDUAL fans (circled) for each operator worked fine in this plant



EXHAUST fans carry off heat, pull incoming air through entire plant



HOODS above heat-producing equipment help to solve problem at its source



DUCTS leading from evaporative cooler on roof supply cool air to each station

outlets at or near the work station. In less expensive drip-type evaporators, the air passes simply over a set of pads without the spraying action, and on through the ductwork.

How effective is such cooling? That depends on your area. Manufacturers of the equipment say that these coolers will work successfully in an area where the average monthly difference between "dry bulb" and "wet bulb" temperatures is 12 degrees. This assumes that the water will be recirculated. In such cases the temperature within the plant can be reduced anywhere from about 5 to 12 degrees, depending on the wet bulb temperature that day.

If there is no shortage of water in your area, and if you either have your own well or a favorable water rate, a steady supply of ground water rather than a circulating system can be used. The average ground water temperature throughout the country is 55 degrees. In such cases you can drop the temperature 20 degrees or even more if you want to.

Humidity, as everyone knows, has a lot to do with comfort. A worker is much more comfortable in a 90-degree room with low humidity and a little breeze than he would be in an 80-degree room with a high humidity and no breeze. When the evaporative cooler reduces the air temperature, it also reduces its water content, as warm air can hold more water than cool air. The drying filter removes even more of the moisture, so that the air passing through the ducts has a comparatively low relative humidity.

Such systems are not inexpensive. If individual ducts are supplied for each work station, cost may run about $125 per outlet. If a duct, through a system of louvered openings, supplies a wider work area, less sheet-metal work is involved. Operators with such systems say that every penny of the cost is justified in terms of more efficiency, less employee turnover.

If individual ducts are used, each operator can control the amount and direction of the air at his station. Each duct should provide a minimum of 500 cubic feet of air per minute.

Here are a few other installation pointers:

1. Provision must be made for the air to be exhausted, either through window openings or by exhaust fans.

2. For over-all cooling, a minimum cross-section velocity of 100 feet per minute should be maintained.

3. The spray pump and blower

motor should be hooked up separately so that the blower can be used for ventilation when cooling is not required.

4. Don't forget about lint. Exhaust fans should have automatic-closing outlet shutters so that lint will not blow back into the room when the fan stops. Roof-type exhausts will need lint screens or traps.

Air conditioning has made great strides in the past few years. We predict that eventually, perhaps within the next 10 to 15 years, there will be thousands of fully air-conditioned plants. As things stand today, however, the cost is very high. We know of a handful of air-conditioned plants, and in each case the owner doesn't regret having shelled out.

How much does it cost? It depends, of course, on the load. Counting installation costs, you will have to pay somewhere in the vicinity of $500 per ton of air-conditioning capacity. The cost per ton goes down with the size of the installation.

If the call office is partitioned off from the rest of the plant, air conditioning definitely is practical. How much tonnage you will require depends on dozens of factors. Here are just a few:

Number of square feet
Number of people working
Square feet of window exposure
Exposure to the sun
Number and type of lights
Construction of walls and partitions
Ceiling construction and whether or not there is a basement or second floor
Ventilation and infiltration of air
Average temperature in the area
Additional sources of heat, such as door openings to the plant

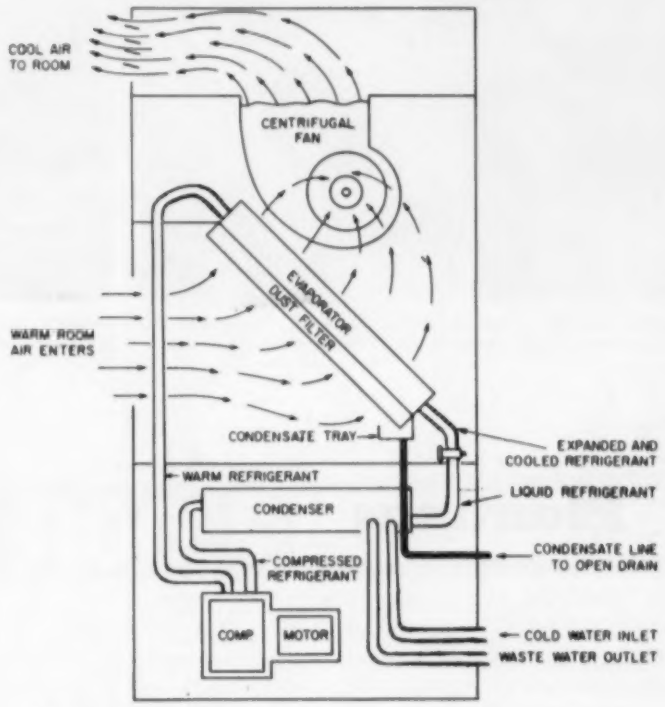
As a rough rule of thumb, air-conditioning people say, one ton of air conditioning will handle about 350 square feet in a store-type building.

If your call office is a small one, a one-ton window unit may be feasible. Unit models are available from 2 on up to about 15 tons.

Three connections are needed: water, waste and electricity. Some of the smaller units have air-cooled condensers and need no water inlet. If water is needed and must be recirculated, it will be necessary to install a cooling tower on the roof.

It is possible to have a unit model standing in the store and run ductwork from the same unit to management offices. # #

How Air Conditioning Works



1. Warm refrigerant, which has absorbed heat from entering room air, flows from the evaporator to the compressor.
2. Compressed refrigerant leaves the compressor and enters the condenser. Here it is condensed to a liquid by circulating water.
3. When liquid refrigerant expands at the expansion valve, it cools and passes on to the evaporator where it again absorbs heat from entering room air. The cycle begins again.
4. Freshly cooled air is circulated throughout the room.

Courtesy Worthington Corp.

Fully Air-Conditioned

One of the few completely air-conditioned plants that we know of is Reliable Dry Cleaners, Harrisburg, Pennsylvania. Reliable (see June 1954 issue) is a two-level plant with a store upstairs and the plant itself in the basement.

The store measures 12 by 45 feet with an 11-foot ceiling. A 2-ton unit is ample to keep it comfortable. The thermostat is usually set at 80 degrees. On scorching days it is allowed to climb a little. Air-conditioning people say that on hot days a store should be about 10 degrees cooler than the outside temperature.

The basement measures 60 by 24 feet with only a 7½-foot ceiling. John J. Reardon, the owner, says that it would be impossible to work in the plant without air conditioning. Here two units have been provided, a 10-ton and a 5-ton. The big unit has two compressors. As the temperature creeps up above 89, the first compressor starts. If the cooling provided isn't enough to hold the temperature at 89, the second compressor cuts in. If both can't do the job, the 5-ton unit starts up.

Mr. Reardon is turning out more than $90,000 in annual drycleaning volume with his small plant. The principal heat-producing equipment includes two 50-pound reclaimers, a still that runs all day, two utility and two mushroom presses, a set of four puff irons, one offset press and two steam irons. The still was recently insulated with magnesia blocks and an inch of asbestos cement. Now you can lay your hand on it, and its steam consumption dropped from 50 to 38 pounds.

Installing the air-conditioning equipment cost in the neighborhood of $500 per ton, and electricity cost averages $40 a month in the summer. Harrisburg has a favorable water rate, so water for the condenser is not an important cost item.

In winter, ventilation is provided by using the air-conditioner fans without the cooling apparatus.



OUTDOOR PLANTER at Jonard, Staten Island, N. Y., features ivy, small evergreen. Similar planter is located on opposite side of door



SANDERS, California, uses planter along front windows, another at post which supports overhang

Plantings



INDOOR PLANTER at Melody, Oklahoma City, consists of unusual tropical plants. Climbing vines are used elsewhere in office

PLANTINGS make a lot of sense for the plantowner who (1) wants to create an unusual advertising value, and (2) whose plant exterior has a "barren" look that should be relieved. For a few dollars, a little planning, and a little maintenance, plants can do a great deal to "make" a store.

The best man for you to consult is a local nurseryman. He can tell you which plants are hardy, which will grow best in the area and exposure you have available, and how to take care of them.

For outdoor planting, unless you have space for a flower bed, you'll need a retaining wall about 18 inches from the building wall and 18 inches high. A few inches of gravel should be laid along the bottom to provide drainage. Soil needs will depend on the types of plants selected.

There are three basic plant categories that seem most suitable: broadleafed evergreens such as azalea (some types), rhododendron, mountain laurel, boxwood (except in very cold areas) and ilex; coniferous evergreens such as yew or juniper, and ground covers such as pachysandra, myrtle, ivy and digitalis.

Inside plantings can run the gamut from a potted geranium or two on up to elaborate cactus or tropical-plant gardens.

If you care to devote a little extra effort, it's easy to brighten up the front of the plant with masses of color in the summer. Such flowers as petunias, marigolds or zinnias will last all season and require very little maintenance.

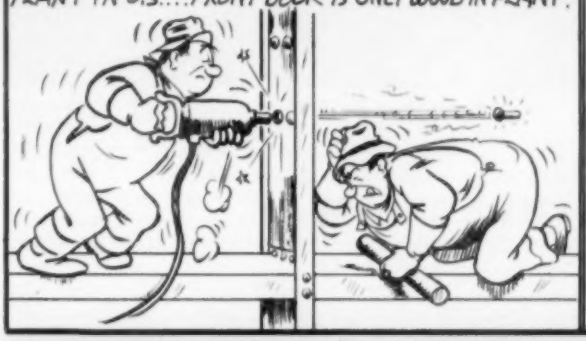
Outdoor plantings often look seedy because they don't get enough water. If the front of your plant has an overhang, the plants will get precious little rain. If there's a planter in your plans, why not stick in an outside faucet to make watering easy?

One of the problems of drycleaning store design is that there are so few opportunities to display anything. Consequently, the room or area must be attractive in itself. Something unusual in the way of plantings can give your customers something to look at while they wait for their orders and, even more important, create a favorable impression which makes your place of business easy to remember. # #

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25 YEARS AGO.. JUNE 1930

"DIXIE" STODDARD BUILDS DE LUXE $400,000 PLANT IN ATLANTA, GEORGIA....FIRE INSURANCE RATE OF 19¢ SAID TO BE LOWEST OF ANY CLEANING PLANT IN U.S....FRONT DOOR IS ONLY WOOD IN PLANT.



PROGRESSIVE CLEANERS ADVISED THEY CAN USE LOCAL PRESS TO GREAT ADVANTAGE AND REACH PUBLIC WITHOUT COST....NEWSWORTHY ITEMS ABOUT PLANT OR PERSONNEL ARE ALWAYS WELCOME.

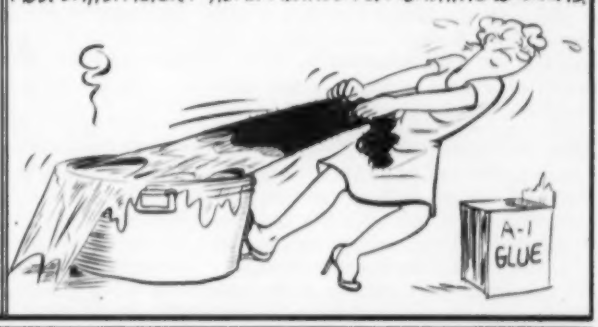


10 YEARS AGO.. JUNE 1945

GREAT FUTURE SEEN FOR OUR YOUNG DRY-CLEANERS TO ESTABLISH PLANTS IN LATIN AMERICAN COUNTRIES...NO U.S. INCOME TAX ON INCOME ENTIRELY EARNED OUTSIDE U.S.



HUNDREDS OF NEWSPAPERS RUN RELEASE BY A MIDWESTERN "CLOTHING SPECIALIST" ADVISING READERS TO WASH WOOLENS IN SOLUTION OF GLUE....SAID TO BE "MOST SATISFACTORY" HOME METHOD FOR WASHING WOOLENS.



"WHY, OH WHY"!

..... AFTER TWENTY (20) YEARS YOU'VE COAXED HUBBY INTO A NICE VACATION TRIP.!!!!! SO, HOW DOES HE SPEND ALL HIS TIME? ...HE VISITS EVERY PLANT HE CAN FIND!



LOU BELLEW

TODAY! "THE LITTLE SHOP AROUND THE CORNER"

DATA FOR DRYCLEANERS

THE CLEANING ROOM

The Charged System

What It Is: The term "charged system" generally refers to any cleaning system in which the solvent has been impregnated (or "charged") with a synthetic detergent. The solvent may be either synthetic or petroleum and the detergent is a soluble one not removed by filtration.

Although the charged system is often compared to the Strong Soap System which had its heyday some 25 years ago, the SSS differed in that it employed a paste soap with a heavy oleic base which was not filterable, and therefore could not be readily purified.

Main Selling Point: The chief reason why the charged system has attracted so much attention is its ability to remove water-soluble soil from the garments in the washer. This is attributed to the fact that a charged system holds more water in solution and that some of this moisture (unlike the water in a fresh-soap-to-each-batch system) is *not* picked up by the garments. Stain removal in the washwheel is highly desirable since an efficient job here cuts expensive wetcleaning and spotting to a minimum.

Other Advantages: When properly used, the charged system of drycleaning has several other advantages:

1. It increases removal of insoluble soil.
2. It minimizes redeposition of soil, increasing whiteness retention.
3. It decreases filter pressure.
4. It simplifies former methods of batch cleaning and the use of multiple soap cycles.
5. It allows a much higher concentration of detergent to be used without substantially increasing detergent cost.

Types of Systems: At this writing there are three types of charged systems:

1. The mild charge (½-1 percent)—which need not be rinsed. This charge is not new. One detergent manufacturer has promoted a version of it for many years.
2. The strong charge (3-4 percent)—which should be rinsed.
3. The 4 percent no-rinse charge.

Concentration of detergent is determined as a percentage of the total volume of solvent in the entire system (washer, filter and storage tank) rather than as a ratio of soap to pounds of garments being cleaned.

The Mild Charge: The mild charge offers these advantages:

1. No additional equipment is required. Can be used where present machinery does not provide for rinsing and/or is not equipped with a still.
2. It provides a high percentage of soil removal. While quality, up to a point, is increased as the charge is made stronger, the greatest advance is made as the concentration reaches 1 percent. In other words, a 4 percent charge does not get garments four times cleaner than a 1 percent charge.
3. The mild charge permits shorter cleaning cycles since rinsing is not necessary.
4. Supply costs are initially lower for the mild charge since the detergent is used in lower concentrations.

The Strong Charge: Some of the advantages of using a strong charge are:

1. It is safer to use. A big advantage is that moderate additions of moisture can be made without raising the solvent relative humidity to the critical range where breaks, wrinkles, excessive shrinkage, etc., may result.
2. It removes more soil than the milder charge.
3. It is probably the most economical system in the long run since extractions are reused.
4. It facilitates the handling of garments which are to be treated with water repellents. Unless rinsed from the garments, synthetic detergents prevent water repellents from being effective. Since the strong charge requires a two-bath system this problem is reduced.

If you have a washer-extractor combination that is not piped for a clear rinse, it may be possible to convert it to two-bath operation. If you do not have a washer-extractor you can still use the two-bath system by means of an extractor spray rinse. Several extractor-rinse systems are on the market.

The 4 Percent No-Rinse Charge: This development is claimed to combine the best features of both the weak and the strong charge—increased soil removal, greater moisture control with no necessity for rinsing.

Influencing Factors: Whatever type of charge is used, quality cleaning is not necessarily assured unless close control is exercised over detergent concentration, solvent purity, moisture, solvent temperature and the way the equipment is used.

Detergent Concentration: Unless the charge is kept at or near predetermined concentration, there is always the possibility that too much moisture may be added to the load. The amount of moisture that can safely be used varies with the charge concentration. The charge itself does not wear out. Dilution most often occurs when fresh solvent is used in makeup to replenish the solution removed by garments in the load. Detergent concentration should be checked frequently.

Solvent Purity: Unless the charged solvent is kept clear of impurities, soil redeposition is likely. When this occurs, garments are apt to look dingy, and when spotted a light area appears that can only be corrected by rerunning or wet-cleaning.

Sugar-type impurities are now known to build up in the detergent. This sugar may be deposited on fabrics that carry more than the usual amount of moisture. The familiar "brown spots" or caramelized sugar stains can be a result of this sugar buildup.

Research thus far indicates that prolonged reuse of the same detergent charge is likely to create this undesirable condition. The condition may be controlled by distillation or by running a load of wet cotton bags. The wet bags will pick up the sugar, and the extra moisture they add to the system can be removed by running a subsequent load of clean dry bags.

Build-up of dissolved dyes must be prevented. Daily use of activated carbon is a recommended means of controlling this condition.

Solvent should never contain more than 1½ percent of soluble solids. Concentration of these solids may be reduced by distillation or by providing a volatile rinse with either new or distilled solvent. If a separate rinse is used, rinse solvent can be kept serviceable by distillation and by employing sweetening agents in the rinse filter.

If the solvent contains too much nonvolatile matter, and the garments are not rinsed, streaks and swales may appear, particularly on tightly woven fabrics. Such trouble is most frequently encountered in synthetic solvent units in which the same cylinder is used for washing and reclaiming.

Solvent Relative Humidity: Moisture plays an important role in the charged system's cleaning efficiency. Too much water in the system can lead to wrinkling, shrinking, or pilling up of soft-textured wools; too little water means less efficient cleaning, especially where the removal of water-soluble soil is concerned.

On most items maximum soil removal is accomplished at 75 percent solvent relative humidity. Certain fabrics such as soft wools, wool gabardines, and garments with water-soluble finishes should be handled at a relative humidity as low as 60 or 65 percent. The critical or dangerous area is approached as the relative humidity begins to exceed 75 to 80 percent.

Many devices have appeared on the market in recent months to measure and control this important factor.

There are instruments available which measure the relative humidity of drycleaning solvent. Some instruments do this by measuring the relative humidity of the air in the washer. Others have a sensing element immersed in the solvent. Some merely indicate what the solvent relative humidity is. Others automatically inject moisture into the system so that its relative humidity can be maintained at any desired level.

Conductivity has become a widely accepted means of controlling moisture. Pure solvent is a poor conductor of electricity. As water is added conductivity increases. Conductivity control devices automatically add moisture when conductivity drops below a preset range.

Solvent Temperature: Ideally, solvent temperature should be maintained at about 80° F. As a pump works against filter pressure, however, it generates heat and passes it on to the solvent. Hot solvent is a fire hazard in plants using Stoddard solvent; in either petroleum or synthetic solvent it causes loss of color on acetate; it also contributes to wrinkling and shrinking. Water-cooled and refrigerated units are available for controlling this problem.

Methods of Operating: Many of the difficulties now troubling charged-system operators can be eliminated by re-examining operating procedures.

The charged system, according to NID, has not done away with the necessity of classifying garments before cleaning. Best results will be obtained if "wools" are separated as lights, mediums and darks; and "silks" into light and dark classifications.

Whiteness retention may be improved by proper classification and by adding moisture to a charged system on filter circulation rather than on batch. And it has been found that removal of water-soluble soil may be improved by underloading a washer 10 to 20 percent under rated capacity.

Time is a basic ingredient of good cleaning. Many operators could improve the quality of their work by lengthening the cleaning cycle. For maximum soil removal, petroleum-plant operators should run one-bath systems from 20 to 30 minutes. Two-bath systems will, of course, require an extra rinse. Synthetic cleaners with a one-bath system are advised to keep soap runs at about 20 minutes and two-bath systems at a minimum of 10 minutes.

Drycleaning Solvents

TWO TYPES of solvents are used in drycleaning: synthetic and petroleum. In the synthetic category, three different synthetic solvents have been used in this country: perchlorethylene, carbon tetrachloride and trichlorethylene.

Perchlorethylene, because it is less toxic and corrosive, has almost completely replaced carbon tetrachloride as a drycleaning solvent. It is by far the predominant synthetic solvent in use in this country today. So far as we know, no drycleaning machines for synthetic solvents other than perchlorethylene are now being built. Practically no trichlorethylene is being used for drycleaning because of its tendency to bleed fugitive acetate dyes at temperatures above 80° F.

In the petroleum category, Stoddard solvent and 140° F solvent are the two in common use.

Solvent trends as reported by the U. S. Department of Commerce are as follows:

	No. of plants		No. of units
	1948	1953	1953
Petroleum	18,491	21,916	30,594
Synthetic	4,757	8,037	8,983
Both	769	546	1,756

Solvent consumption during 1954 is estimated by NID as follows:

Stoddard	134 million gallons	(6.58 lb. per gal.)
140° F	6.8 million gallons	(6.65 lb. per gal.)
Perchlorethylene	115 million pounds	(13.47 lb. per gal.)
Carbon tetrachloride	2 million pounds	(13.22 lb. per gal.)

One synthetic solvent manufacturer estimates that at the present time the drycleaning industry is consuming between 125 and 130 million pounds of perchlorethylene. Assuming

Physical Properties of Synthetic Solvents

	Carbon Tetrachloride	Trichlorethylene	Perchlorethylene
Chemical formula	CCl_4	C_2HCl_3	C_2Cl_4
Boiling point, ° F	169.7	188.4	250.2
Latent heat of vaporization at boiling point, B.t.u./lb.	84.2	103.0	90.0
Specific heat, liquid	0.205	0.225	0.205
Viscosity, liquid (68° F) cp.	0.969	0.58	0.88
Surface tension (in air) dynes/cm.	25.4 (in nitrogen) at 77° F	approx. 29 at 86° F	32.32 at 68° F
Specific gravity (20°/4° C)	1.594	1.464	1.623
Pounds per gallon (68° F)	13.3	12.3 (59° F)	13.55
Vapor pressure, mm. Hg. (68° F)	91	58.5	14.2
Evaporation rate (ether = 100)	33	28	9
Flammability, Underwriters' Laboratories rating	0	3	0

that the average plant consumes one drum, or about 700 pounds per month, the number of synthetic units in operation would be about 14,880.

Advantages of synthetic solvent cleaning:

1. Nonflammable—this means lower insurance rates, fewer zoning restrictions, simplified housing.
2. Short cleaning cycle, making it especially attractive for fast-service operation.
3. Easier to install—less labor required, less floor space used.
4. Less heat required for drying, more solvent saved.
5. Greater solvent action on greases, oils, etc.

Advantages of petroleum solvent cleaning:

1. Fumes are not as toxic as those of synthetic.
2. Loads are not limited to the smaller capacities of synthetic machines.
3. Solvent is more stable, less corrosive than synthetic solvent.
4. Solvent cost per pound cleaned is lower than with synthetic solvent.

Petroleum Solvents

STANDARDS for petroleum distillates used in drycleaning cover physical and chemical properties, methods of testing, certification of quality.

Standards for Stoddard Solvent:

(Commercial Standard CS 3-40)

1. *Material:* Stoddard solvent shall be a petroleum distillate.
2. *Appearance:* It shall be clear and free from suspended matter and undissolved water.
3. *Color:* It shall be water-white or not darker than 21 by Saybolt chronometer.
4. *Odor:* Solvent shall be free from rancid and objectionable odors.
5. *Corrosive Properties:* Copper shall show not more than extremely slight discoloration when submerged in solvent for three hours at 122° F.
6. *Doctor Test:* Solvent should react negatively.
7. *Sulphuric Acid Absorption Test:* Not more than 5 percent of the solvent should be absorbed by CP sulphuric acid (93.2 percent).
8. *Flash Point:* Shall not be lower than 100° F.
9. *Distillation Range:* When a sample is distilled according to specifications, not less than 50 percent should be recovered when the thermometer reads 350° F and not less than 90 percent when the thermometer reads 375° F, and the end point shall not be higher than 410° F.
10. *Residue:* When a sample is distilled the residue shall not be more than 1.5 percent.
11. *Acidity:* Residue from distillation shall not show an acid reaction.

A petroleum solvent meeting the above specifications is classified by Underwriters' Laboratories, Inc., in a class with kerosene in respect to fire hazard.

Standards for 140° F Solvent:

The 140° F solvent has been developed in an effort to produce a workable solvent that would have a flash point higher than that set for Stoddard solvent and would show a high degree of safety in regard to fire hazard.

The main specification required by the Underwriters' Laboratories for 140° F solvent is that the flash point be a minimum of 138.2° F. According to the Underwriters' listings this type of solvent is placed in a class between paraffin oil and kerosene.

The Stoddard solvent specifications are concerned only with the solvent and do not require any designated type of equipment.

In the use of 140° F solvent, specifications have also been set up in respect to the type of equipment in which it should be used for maximum safety. In some cases the equipment approved has been tumblers and drying cabinets. Some complete drying units have been approved for the use of 140° F solvent.

Approved drycleaning systems together with particular listed drying cabinets or tumblers are suitable only for use with listed cleaning liquids classified with respect to fire hazard and complying with the following specifications:

1. *Flash Point* (closed cup): Not lower than 138.2° F.
2. *Initial Boiling Point:* Not lower than 357.8° F.
3. *Ignition Temperature:* Not lower than 453.3° F.
4. *Lower Limit of Explosion Range:* Not less than .8 percent by volume in air at initial temperature of 302° F.
5. *Spontaneous Heating:* The cleaning material shall not heat spontaneously.

The color, odor, corrosion and doctor tests are the same as for Stoddard solvent.

Along with the use of approved systems, the installation should be set up in accordance with the standards of the National Board of Fire Underwriters for safeguarding drycleaning and dyeing plants. Authorized inspectors should be consulted before installation.

The use of either of these solvents is regulated by the state fire marshal's office and the regulations vary considerably from one state to another.

Source—Anderson-Prichard Oil Corporation

Synthetic Solvent Cost Pointers

Hold-up of solvent in garments after extraction: Varies with efficiency of extractor, which is based on the diameter of the extractor basket and speed of extractor. This factor is built into machine and cannot be varied.

Length of extraction time: Can be varied.

Example: Variation in amount of solvent left in clothes after extraction. Garments extracted were wool, extraction time seven minutes in all cases:

Machine No.	Diameter of basket	Extraction speed	Solvent hold-up %
1	27"	900	12.5
2	30"	860	12.5
3	34"	810	13.5
4	30"	750	14.5
5	32"	640	16.0
6	24"	550	22.0

Recovery in separate recovery-drier of solvent left in garments after extraction will reclaim 90 percent of hold-up solvent. Cleaning cost may be reduced to 1-1½ cents a pound with perchlorethylene, which is the most completely recoverable solvent.

Loss in filter sludge: Much of this solvent loss may be recovered by steam-stripping the sludge when perchlorethylene is used. Still residues may be stripped for a further saving.

Perc-Saving Pointers

1. Empty lint bags or screens frequently. When running soft wools you should check the bag several times during the day.
2. Make sure that the vent on the reclaimer closes properly. If the vent valve does not seat properly, vapors escape.
3. Keep the heating unit and condenser of the reclaimer clean. Otherwise the efficiency of these important parts will be greatly reduced.
4. Clean lines leading to and from the water separator frequently. The vent line on the separator should be kept open at all times.
5. Make sure that the tumbler door seats properly against the gasket. Many doors have adjustments which permit you to vary the tension on the door seal. If you can pull a strip of paper across the seal when the door is closed, you are losing vapor.
6. Check pipe connections in flow lines. Charged solvent easily penetrates loose joints.
7. Do not leave unit doors open at night. Close them tightly after units have had time to cool.

Source—National Institute of Drycleaning

Solvent Tests

Test for Water in Solvent:

Make sure test tube is clean and dry, then half fill with solvent to be tested. Add pinch of anhydrous copper sulfate. Shake test tube well, then allow to settle for a few minutes. Water is present in solvent if sediment has bluish tinge.

Test for Soluble True Soap in Solvent:

The same test will indicate presence of soluble soap in sufficient quantity to cause building up of suds in washer, formation of jell in still or scum on filter. Soluble soap present in solvent when it is shaken with copper sulfate produces flocculent precipitate (a spongy, flaky bottom layer).

Test for Free Fatty Acid:

For accurate results, flask and 55 cc. graduate used for this test must be perfectly dry as well as clean. Either rinse with alcohol or acetone, requiring no drying, or, if washed with water, dry with cloth.

Pour 50 cc. of solvent to be tested into Erlenmeyer flask. Add 3 or 4 drops of phenolphthalein solution. Shake well. Next, using 100 cc. pipette, add 5 cc. of 0.0139 normal alcoholic potassium hydroxide (using synthetic methanol). While adding this solution, shake flask with swirling motion.

If pink color appears while the first 5 cc. is being added, amount of fatty acid in solvent is negligible. Each 5 cc. of testing solution that must be added to obtain pink reaction to phenolphthalein represents acid number of 0.1. If addition of second 5 cc. produces pink color, solvent is satisfactory to use. However, if it is necessary to add a third 5 cc. before obtaining pink reaction, the solvent should be treated before further use. Up to this point, the use of one of the adsorbents will usually keep it in usable condition.

If more than 15 cc. of testing solution, indicating an acid number of 0.3, is required to produce pink color, solvent must be clarified. The acid number 0.3 has been established as point at which solvent should be clarified because odor has been traced to solvent with a slightly higher acid number.

The drycleaner should make this test every day. The potassium hydroxide should be fresh.

Solvent Filtration

REMOVAL of insoluble impurities from drycleaning solvent in the filter is nothing more than a simple "screening" action. If all the dirt coming from the garments were in large, hard particles, the regular filter screens and bags would do the job without the need of filter powder. But dirt, sand, lint, and slimy and gummy substances make the picture totally different.

The screens and bags in your filter are extremely fine, around 200 mesh, which means there are approximately 40,000 holes to a square inch. If you use no filter powder, these holes are plugged in no time by the slimy and gummy substances. Then your filter pressure goes sky-high and you get no more than a trickle of solvent through the filter.

When you add a good filter powder (diatomaceous silica) to the solvent, the extremely fine diatom particles mix in the washer with the impurities and are carried to the filtering surface. These particles of powder collect on the filter screens or bags and break up the gummy coating of slimes and residues. They form pores or holes so fine they can only be seen under a microscope, but through which the clean solvent can flow freely.

When the manufacturer made your filter to put out, for example, 3,000 gallons per hour, he did not guess at the amount of filtering area. It was figured out by engineers as approximately 33 square feet for each 1,000 gallons of filter capacity. Therefore, your 3,000-gallon filter would have about 100 square feet of screen area.

Suppose, for various reasons, your screens and bags have become so clogged with insoluble residues and slimy substances (through which the solvent will not pass) that only 50 percent of your filtering area is open to flow. In effect, you now have a 1,500-gallon filter instead of a 3,000-gallon filter, yet your pump is still trying to force through its full capacity of 3,000 gallons, thus developing excess pressure.

To know whether your screens in your vertical screen filter are clogged or not here is the procedure:

(Continued on page 108)

Minimum Filter Powder Usage

Stoddard and Large Synthetic Solvent Filters

For Precoating

Filter Capacity	Amount of Powder
1000 gals. per hr.	2 pounds
2000 gals. per hr.	4 pounds
3000 gals. per hr.	6 pounds
5000 gals. per hr.	8 pounds
8000 gals. per hr.	14 pounds

Small Synthetic Solvent Filters

Use 1 ounce for each square foot of filtering cloth or screen.

For Addition With Garments or to Powder Trap

No soap used—add 1 lb. powder to 100 lbs. of fabrics.
Soap used—To break run*—1 lb. powder per 100 lbs. of fabrics.
To filter rinse—1 lb. powder per 100 lbs. of fabrics.
* If no break run is carried out, double quantity of filter powder is used for filter rinse.

Use ½ pound for each 50 lbs. garments cleaned. Example: If 50 lbs. garments make four loads, add 2 ounces with each load. A less effective method is to add ½ lb. every four loads. Add powder with garments when possible—otherwise at trap.

Source—Johns-Manville Sales Corporation

(Continued from page 107)

When you have completed a day's run, or when you consider the pressure excessive, shut off your pump and open the drain valve on your filter, allowing the solvent to drain off to a point just below the filter cover. Remove the cover and swing it aside so that you can see down between the filter screens. Now drain the solvent from the filter, slowly enough so that you do not disturb the filter cake. When the solvent level is below the tops of the screens, take a flashlight and inspect the condition of the cake on each filter screen.

You will note that some areas have no filter powder on them; some of the areas will be coated anywhere from ½ to 1 inch thick, and the rest of the screens will be splotched here and there with only a thin cake. Where there is no filter cake, there has been no solvent passing through; all the solvent went through those areas on which the powder is deposited in a reasonably thick cake. In the case of a horizontal type filter, where the filter powder lies on a flat plane, this "spotty" cake is not found, due to the fact that its construction causes even distribution of the filter powder.

If the screens had been properly cleaned *and kept clean by proper precoating*, the filter cake would be uniformly distributed and of even thickness and color texture.

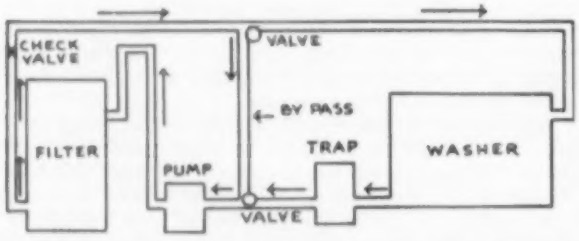
Cleaning Filter Screens

The proper way to clean your filter screens is to use 1 or 2 pounds of caustic soda to each 5 gallons of water in a tank or tub large enough to immerse the screens. Bring this tank of solution to a boil and then immerse the screens for at least 30 minutes. For bad cases of clogging, some plants soak the screens in the cold solution overnight and bring to a boil the next morning.

Next, rinse each screen thoroughly in another tub of boiling water, then steam thoroughly from top to bottom with wet steam. The trick to the above operation is to take the screens out of the boiling hot caustic solution one at a time, to the boiling hot rinse water, then to the steam hose. Above all, do not permit the screen to dry from the time it is taken from the caustic solution until it has been thoroughly steamed, working from top to bottom. If you do, the emulsified slimes and greases will precipitate and harden and be almost impossible to remove.

Wipe the screen very carefully. Be sure in wiping and blowing with steam that you do not break the soldering on edges; this will cause screens to develop leaks.

Now how can you keep your screens from getting gummed up again? The answer is with a properly applied precoat.



Use of by-pass maintains filter cake by continuing pressure with the pump while the washer is idle or on soap run. Also, extension of filter inlet and outlet above solvent level in filter maintains solvent level above filter cake. Check valve prevents solvent on outlet side from dropping back and pushing the cake off from inside the screens

Precoat and Operation

First, fill the washer to the proper level and the filter full of *clean* solvent. In filling the filter, keep the air valve open until solvent starts to run out, signifying that it is full. Now, close the air valve and add to the *clean* solvent in the washer one pound of filter powder *for each 10 square feet of screen area.* Start the washer and mix the powder thoroughly with the solvent. Then you can start the pump. Allow the solvent to circulate through the filter and washer until it shows clear in both sight glasses.

You are then ready to start your daily operation.

The most important thing to remember during the day's cleaning is that filter powder should be used on *every* washer load. The next most important point is to use the right amount of filter powder—not too much, not too little. If one load is run without filter powder, the surface of your filter cake will start to slime over and become partially plugged, with more than normal pressure rise. This condition becomes worse for each succeeding load run without filter powder.

In a test run by a solvent manufacturer, it was found that using only ¼ pound of filter powder on *every* load cleaned more garments per pound of pressure rise, yet used 27 percent less filter powder per 1,000 pounds of garments cleaned than when three times this amount (¾ pound) was added in *every other load.*

Another extremely important point is that, on the vertical type filter, there is nothing to hold the precoat or cake on the screens. There should be a by-pass valve to allow the solvent to keep circulating and hold pressure against the cake when no washers are running on the filter. If the pump is stopped when you are not filtering there is no pressure, and parts of the precoat and filter cake will fall off and leave the screen bare. When you start to filter again, these bare spots quickly plug up and the pressure rises faster than normal.

The same result occurs when the filter is started the first thing in the morning—after the pump has been off all night—without applying a precoat. If only one load is run through a precoat before shutting down for the night, a new precoat must be put on before starting to filter the next morning. Again, this does not apply to horizontal filters.

Three cardinal rules to remember in securing more and better cleaning with economy of filter powder are:

1. Start with and keep screens thoroughly clean with all mesh openings clear for solvent flow.
2. Determine the proper amount of filter powder to use per load of garments, according to the size of the load and the condition of the garments (one to two pounds for every 100 pounds of garments). Use the correct amount in *every* washer load.
3. Keep pressure against the filter cake at all times when operating a vertical type filter, either circulating through the washers or a by-pass valve. Always precoat again after the pump has been stopped even for a short time.

A new filter design recently put on the market does not require the conventional precoat procedure. Filter powder is added only once at the beginning of the day. The filter is automatically backwashed and recoated after each load.

Source—Dicalite Division, Great Lakes Carbon Corporation

Use and Characteristics of Sweeteners

There are certain adsorptive filter aids that have characteristics that must not be confused with those of standard filter powders. The adsorptive filter powders have been treated with magnesium or aluminum silicates, or similar compounds, to give them an ability to strain out soluble impurities that otherwise are able to pass through the filter cake. Some of these adsorptive filter powders have been effective in prolonging the interval between distillation periods.

Since the rate at which the magnesium silicate is used up depends not only on the type and amount of soil in the garments but also on the amount of fatty acid released from the soap used, it is difficult to prescribe exact formulas. This is particularly so since these powders vary widely in character and performance.

The rule of thumb for one such powder is a precoat of 3 pounds per 1,000-gallons-per-hour filter capacity, plus 1½ pounds to each 100-pound load of lightly soiled garments. Care should be taken to add the adsorptive filter powder through the trap or at the outlet of the washer, as it has a tendency to cling to fabrics.

Use of Activated Carbon

The popularity of the charged system has increased the need for careful control of solvent contamination. Activated carbon offers one of the best means of preventing the build-up of solvent contaminants, especially water-soluble dyes which become dissolved in the solvent.

To avoid "dusting" while handling carbon in the cleaning room, avoid dumping it too fast or from too great a height. Don't let the powder drop more than 2 or 3 inches. A good practice is to empty a number of cartons or bags of carbon into a metal ash can with a lid. In transferring the powder from the metal container to the washer you can use a one-pound coffee tin or one-quart saucepan, either of which holds one pound of carbon.

The "after precoat" method of using carbon is recommended as a daily procedure. After the filter is precoated with the proper amount of diatomaceous filter aid, the after precoat of carbon is applied. Carbon, mixed with filter aid, is added directly to the wheel. Run the washer for a few minutes to wet and disperse the carbon thoroughly. Then recirculate the solvent through the filter until the sight glass is clear. Under normal operating conditions no more carbon will be needed during the day.

The table below shows how much filter aid and carbon to use.

For Petroleum Systems

Filter Size	Step 1: Precoat with filter aid	Step 2: "After precoat" consists of carbon and filter aid
1300 gal/hr.	3 lbs.	3 lbs. plus 1 lb.
2000 gal/hr.	5 lbs.	4 lbs. plus 1½ lbs.
3200 gal/hr.	7 lbs.	6 lbs. plus 2 lbs.
5000 gal/hr.	10 lbs.	10 lbs. plus 3 lbs.
8000 gal/hr.	16 lbs.	12½ lbs. plus 4 lbs.
10000 gal/hr.	20 lbs.	16 lbs. plus 5 lbs.

For Synthetic Systems

For the average-size synthetic unit, Step 1 requires 3 pounds of filter aid as a precoat. Step 2 requires a mixture of 3 pounds of carbon and 1 pound of filter aid.

A heaping quart measure holds: ½ lb. of filter aid
1 lb. of carbon

These dosages are not rigid. The cleaner will have to make adjustments suited to his own method of cleaning, schedule of loads, frequency of distillation, etc.

When it is necessary to add carbon during the day to handle emergencies, such as a sudden increase in color due to a bleeding dye condition, it is recommended that it be added in slurry form.

If, for example, 2 pounds of carbon are required, spill the carbon gently into a pail containing 2 gallons of solvent. Stir quietly until the carbon is wetted and uniformly dispersed. Pour the slurry into the button trap while solvent is being pumped through the filter. Do not have any garments in the washer. As soon as the sight glass shows clear you can resume cleaning. Slurry may also be added on the suction side of the pump by providing a tee-connection and a valve.

If carbon is to be used to clean up an accumulation of dirty solvent, add the carbon in dry or slurry form directly to the washer on the basis of about 3 pounds of carbon for each 100 gallons of solvent. Run the washer for 20-30 minutes with no filter circulation. Then circulate the solvent for another 20-30 minutes through the filter. If this dosage is not sufficient, repeat the procedure.

Source—Darco Department, Atlas Powder Company

Pumps for Filter Circulation

Following chart shows pump size recommended for each size of filter and speed at which each should operate to produce intended flow rate when diatomaceous filter aids and "sweeteners" are being used

Filter Gallons Per Hour	Size of Suction and Discharge Pipes	r.p.m. Pump Pulley	Diameter Pump Pulley	Gallons Per Revolution
400	1″	450	4¾″	0.015
600	1″	650	4¾″	0.015
1000	1¼″	375	7″	0.044
1200	1½″	230	10″	0.087
2000	2″	265	10″	0.125
3200	2″	235	12″	0.235
5000	2″	350	12″	0.34
8000	3″	250	24″	0.53

Source—Viking Pump Co.

Capacities of Drycleaning Washers

Size-Cylinder Dia. x Length In Inches	Cylinder Speed r.p.m.	Horsepower Required	Capacity Lbs. Dry Weight Wood Cylinder	Capacity Lbs. Dry Weight Metal Cylinder
24 x 24	34	½	15	—
24 x 30	34	½	20	—
30 x 30	25	½	30	40
30 x 40	25	¾	40	50
30 x 48	25	¾	50	60
36 x 48	19	1½	65	85
36 x 54	19	1½	75	95
36 x 64	19	1½	90	115
36 x 72	19	2	105	130
42 x 54	16	2	105	130
42 x 64	16	2	130	155
42 x 72	16	2	145	175
42 x 84	16	2	175	200
42 x 96	16	3	200	240
48 x 84	13	3	240	265
48 x 96	13	4	265	305
48 x 108	13	4	305	340
48 x 120	13	5	340	380
54 x 60	13	3	—	250
54 x 70	13	4	—	300

Capacities of Drycleaning Tumblers

Size-Cylinder Dia. x Length In Inches	Cylinder Speed r.p.m.	Horsepower Cyl.	Horsepower Fan	Capacity Lbs.-Dry Weight
36 x 18#	39	¼	¼	25
36 x 24#	39	¼	¼	30
36 x 30#	39	⅓	¼	40
36 x 30	39	½	¾	40
36 x 42	39	½	1	50
36 x 48	39	¾	1	60
42 x 40	30	1	2	70
42 x 60	30	1½	3	100
42 x 90	30	2	5	150
42 x 120	30	3	7½	200
46 x 120	27	3	7½	250

Capacities of Drycleaning Extractors

Size Basket Dia. In.	Basket Speed r.p.m.	Capacity Lbs.-Dry Weight	Size Basket Dia. In.	Basket Speed r.p.m.	Capacity Lbs.-Dry Weight
17	1500	17	40	925	100
20	1500	25	48	750	150
26	1350	40	60	625	250
30	1200	60	72	550	325

Kilowatt Hours To Run Extractors

Table gives kilowatt hours required to run extractors of various sizes a given time in minutes. Example: A 48-inch extractor draws 1.45 kilowatt hours for a 20-minute extraction period; at 2 cents per kilowatt hour, power cost is 2.9 cents for the load

Time In Minutes	Extractor Diameters 20"	24"	26"	28"	30"	40"	48"
1	.042	.050	.071	.083	.095	....	....
2	.048	.069	.082	.095	.108	....	....
3	.055	.079	.092	.107	.122	....	....
4	.062	.088	.103	.119	.135	.46	.65
5	.069	.097	.114	.131	.149	.50	.70
6	.075	.106	.125	.143	.162	.54	.75
7	.082	.116	.135	.155	.175	.58	.80
8	.089	.125	.146	.167	.189	.62	.85
9	.095	.134	.157	.179	.202	.66	.90
10	.102	.144	.167	.192	.216	.70	.95
11	.109	.153	.178	.204	.229	.74	1.00
12	.115	.162	.189	.216	.242	.78	1.05
13	.122	.171	.199	.228	.256	.82	1.10
14	.129	.181	.210	.240	.269	.86	1.15
15	.135	.190	.221	.252	.283	.90	1.20
16	.142	.199	.232	.264	.296	.94	1.25
17	.149	.209	.242	.276	.309	.98	1.30
18	.155	.218	.253	.289	.323	1.02	1.35
19	.162	.227	.264	.300	.336	1.06	1.40
20	.169	.237	.275	.312	.350	1.10	1.45

Source—American Institute of Laundering

THE SPOTTING DEPARTMENT

Common Spots

Albumin (Milk, Fish Slime, Egg, etc.): In some instances egg should first be scraped or brushed from the fabric as much as possible while it is dry. These stains should be digested first (before drycleaning, if possible). In digesting remember: Keep it wet, keep it warm, give it time, and keep it neutral as to acids or alkalies.

After digestion spot with a neutral lubricant followed by ammonia, if the dyestuff will withstand it. Then dry the garment, prespot with a wet-and-dry-side paint remover and dryclean.

Today's fabrics are often treated with permanent resins, including urea formaldehyde and melamine formaldehyde resins. The protein of albuminous stains will often combine with the formaldehyde of the resins and form a very permanent stain. Therefore on resin-treated fabrics all efforts frequently result in failure. This is a recent development that has been confounding spotters who previously had been able to remove such stains.

Argyrol: It is advisable to digest argyrol stains first. Then apply water or the steam gun to flush color as the stain is dissolved, thus preventing it from spreading to wider areas. Cover the stain with iodide crystals, allowing the crystals to dissolve in the water already applied to the fabric. Or, tincture of iodine can be used. Let the iodide solution soak for a few seconds. Work with spatula and flush out. Dab the stain with hypo crystals (enclosed in a cheesecloth bag) which first have been immersed in a 10 percent ammonia solution. Flush out thoroughly with water.

Sometimes the argyrol is in an albuminous solution. In this case, digest to release some of the stain, then follow the above procedure.

Berry: Wet the stain with the steam gun and flush out thoroughly by repeated applications of a neutral lubricant. Then apply a general formula, 28 percent acetic acid or 10 percent formic acid. Flush the stain again. Apply ammonia. This type of stain will generally alternate from pink to blue with acids and alkalies. When this occurs, sometimes sodium

bisulfite applied with a bone spatula will overcome the indicator dyestuff.

If a stronger bleach, such as sodium hydrosulfite, titanium sulfate, chlorine, etc., can be used, that might be advisable. This will depend upon the fiber and the fastness of the dye.

Blood: Whenever possible dry-brush blood stain from the fabric and spot before drycleaning. In many cases spotting with a neutral lubricant will make it possible to flush the greater portion of the blood from the fabric. In extreme accident cases it is very often advisable to soak out the garment in cold water to rinse the heavy portions from the fabric.

If the above procedures have been used without complete success, it will be necessary to resort to digestion. If the garment is generally covered soak in a digester bath. If only spots remain, digestion on the board might be possible. The area can sometimes be kept warm and wet by soaking the stains between wet, hot towels.

Last traces of stains can sometimes be removed by the use of hydrogen peroxide or sodium perborate.

Should the stain still remain, prespot the area with a wet-dry-side paint remover and dryclean the garment.

Candy: This type of stain is usually very easy to remove. Once the stain is broken up by tamping with a brush or using the bone spatula it can readily be flushed from the fabric with water and a neutral lubricant. Sometimes a vegetable dye may remain which can often be removed by applying ammonia and flushing with a steam gun. Should traces of dye still remain it will be necessary to use an appropriate bleach.

Carbon (Soot, Gutter Splash, etc.): This type of stain has usually contacted the fabric in a wet state. Therefore, because these stains are somewhat soluble on both wet and dry sides, it will be found that a prespotting emulsion that contains both water and dry-side solutions is most effective. Then dryclean the garment.

After drycleaning, it is preferable to treat the stain on the wet side. Wet out with the steam gun and apply a neutral lubricant or a thick wetcleaning soap. Work the stain with a spotting brush or spatula and flush out. Repeat until all of the carbon has disappeared, then flush out with the steam gun and dry.

Occasionally a stain will remain, particularly when carbon paper was the cause. This is a dye rather than carbon and should be treated with general formula after all the carbon has been flushed out.

Bleaching procedures are not effective on carbon stains.

Coca-Cola: See "Soft Drinks."

Cod Liver Oil: See "Oxidizing Oils."

Coffee (Tea): These stains should be treated before drycleaning whenever possible. Flush as much of the stain as possible with a neutral lubricant. Then add a general formula or 28 percent acetic acid along with some neutral lubricant and flush the stain. Repeat this several times.

Any stain remaining will have to be removed by bleaching. Chlorine is very effective on the yellow stain remaining but such a bleach damages wool. The color of the fabric must also be considered before resorting to bleaches.

Cooking and Salad Oils: See "Oxidizing Oils."

Corrosion, Metallic: Flush the stain thoroughly with the steam gun and a neutral lubricant. Work with a bone spatula or spotting brush as necessary. Commercial wet spotters are sometimes effective on this stain but care must be exercised so that a loss of the base color does not occur when using them. Flush the stain thoroughly and apply a rust remover (not on metallic fabrics or weighted silk). Then prespot the stain with a wet-dry-side paint remover and dryclean.

Dyes: Dye stains are generally considered to be wet-side stains. Their removal depends on the fastness of the dye stain itself as compared with the fastness of the base dye.

Soaking out such stains in water and a neutral lubricant, while slow, is probably the safest and the most effective procedure.

If soaking with a neutral lubricant does not remove the stain, then first test a sample of the garment fabric to determine the fastness of its dyestuff. If, for example, the base dye is fast to ammonia, it would be advisable to soak the foreign dye stains in ammonia and a neutral lubricant. If the base dye is fast to acids, then an acid such as 28 percent acetic could be added to the neutral lubricant.

The foreign dye may bleed with the opposite of the base dye of the garment. Then dye removal can be accomplished without damaging the base dye. Should the foreign dye bleed to the same agent to which the base dye bleeds, it becomes a battle of dyestuffs to see which will clear from the fabric first. In such a case the risk of damaging the base color is quite great and care must be exercised.

If such soaking procedures have been attempted and dye stains still remain, it is usually necessary to resort to bleaching. On colored garments a milder bleach must be used, such as hydrogen peroxide or sodium perborate. Acetate dyes are generally quite resistant to oxidizing bleaches and therefore even a 1 percent solution of chlorine bleach can be used in removing a foreign dyestuff, if the base dye is an acetate dye. If the foreign dyestuff is an acetate dye the problem becomes almost impossible unless prolonged soaking does the job.

Food: Apply water with the spotting brush and tamp, or flush with the steam gun or water spray gun. Then, depending on the stubborness of the stain, follow with a neutral lubricant. Manipulate with the brush or spatula and flush out with the steam gun.

Stains that do not respond to the above treatment probably either contain albumin or are held to the fabric by sizings. In either case, the answer is spot or bath digestion.

Glue, Rubber or Cellulose: Apply solvent or a volatile-type paint remover to the stains. Then add amyl acetate. Amyl acetate works slowly and so time must be given. Rather than add a large quantity at one time, repeated applications, as it evaporates off the fabric, are advisable. In some instances an oily-type paint remover can be added after the amyl acetate which tends to reduce the evaporation rate and thus soak out the area. The stains will gradually be dissolved; the garment should then be recleaned.

Carbon bisulfite and benzol are sometimes advocated but both are highly inflammable and carbon bisulfite has a very bad odor which sometimes causes a problem. Therefore most spotters do not use them.

Glue, Vegetable or Animal: These glues are generally soluble on the wet side. In many cases digestion is advisable, followed by spotting with a neutral lubricant and ammonia —provided the dyestuff will stand it.

Grass: Remove these stains before drycleaning, if possible. Flush with solvent and apply a wet-dry soap, work with the spotting brush or spatula and dryclean immediately. If the green in the stain is heavy and bright, add a little amyl acetate to the prespotter.

To remove on the wet side, flush with the steam gun or water, apply a neutral lubricant or, preferably, a wet-dry soap. Brush with the spotting brush or work with the spatula, then flush with the steam gun. Repeat several times, if necessary. If this fails to clear up the stain on colored fab-

rics, apply general formula, working with the brush or spatula, and flush with the steam gun.

White garments may be bleached with sodium perborate or hydrogen peroxide. White cotton and linen may be given a chlorine bleach, if necessary.

Indelible Pencil: Place a piece of cheesecloth under the stained area to absorb bleeding dye, and apply a light feather of steam or water spray. Turn cheesecloth frequently so bled dye cannot come in contact with the fabric, and replace it when necessary. When the dye stops bleeding with the application of the steam gun, remove the cheesecloth and work the stain with either neutral lubricant or general formula. Then replace the cheesecloth and flush with the steam gun, repeating until no more dye can be removed.

On white or pastel fabric, remaining traces can be bleached with hydrosulfite or hydrogen peroxide. Sometimes the hydrosulfite will appear to remove the stain, only to have it return after flushing. If this happens, hydrogen peroxide should do the job.

For this type of stain it is important to check the pocket before starting, since pencil points often break off. Turn the pocket inside out, even if you must rip a seam, to ascertain if there is a stain which might later bleed from steam from the press or even perspiration from the wearer's body.

Ink (India, Indelible, Ball-Point, Printer's Ink, etc.): These inks all fall in the category of dry-side inks. They are usually heavy inks that lie mostly on the surface. Towels or cheesecloth should be handy to absorb the great amount of bleeding dye. First apply solvent to the stains. Then begin by applying an oily-type paint remover. Flush from the fabric with solvent or a volatile-type paint remover. Repeat this operation as long as bleeding takes place. Ball-point ink is readily removed in this manner and the garment can then be drycleaned. Be sure to remove as much of these inks as possible on the dry side before drycleaning the garment.

Should stains still remain, spotting with a neutral lubricant and a wet-and-dry-side paint remover is advisable. Flush this solution from the fabric very thoroughly with water and don't apply the steam gun very close to the fabric. A neutral lubricant and ammonia might then be tried. Beyond this point it will be necessary to resort to bleaching to remove any traces of the stains.

Ink (Blue, Blue-black, Black, etc.): Inks of this type are wet-side inks and not very responsive to dry-side solutions.

Keeping in mind that there will have to be an absorbent under the stains to pick up the bleeding dye, begin by first adding water and a neutral lubricant. This will immediately start bleeding. Blot up as much of the bleeding dye as possible by using blotting paper on the stain directly as well as towels and cheesecloth under the stain. Repeat this procedure so long as dye is being removed. Do not be too quick to leave this operation.

After bleeding has stopped apply an acid-type spotting agent such as 28 percent acetic acid, 10 percent formic acid, general formula, or an ink remover. Using one of these in conjunction with a neutral lubricant will again start the ink bleeding. Continue this until no bleeding occurs. Then apply a rust remover to remove any iron tannates that might be present. Flush again with a neutral lubricant. Then apply ammonia.

Any traces of color remaining will have to be removed by bleaching.

Iodine: Flush out the area with steam or water to remove excess coloring. Wrap a few crystals of sodium thiosulfate (hypo) in a cheesecloth and after immersing it in a dilute ammonia solution dab the stain with this ammoniated hypo. Continue dabbing until the last traces of the stain have disappeared, then flush out with the steam gun, feather out and dry. To loosen up old, hard-set iodine stains, first flush with the steam gun and appiy a neutral lubricant with ammonia. When no more color is moved, follow as above.

Iron Rust: Wet the area with the steam gun or water and apply a drop or two of a commercial rust remover. If the stain does not disappear immediately, apply a light feather of steam.

Lipstick: If this stain is treated before drycleaning it is not a difficult job. Saturate the stain with solvent or a volatile-type paint remover. Have a towel or cheesecloth underneath the stain to absorb the bleeding dye and pigment. Apply an oily-type paint remover if lubrication of the stain is necessary. Follow by flushing the stain with a volatile-type paint remover or solvent. Then dryclean the garment.

After drycleaning this stain is difficult to remove, particularly if the garment has gone through the tumbler and thus been exposed to heat. Much of the lubrication natural to the stain has now been removed so the first step is to relubricate it with an oily-type paint remover and flush the area with solvent or a volatile-type paint remover. Continue this as long as bleeding takes place. Then reclean the garment.

Should the stain still remain the problem becomes one of dye. Spot the stain with water and a neutral lubricant and flush as much of the dye from the fabric as possible. When all bleeding has ceased, begin adding ammonia to the stain. This will start bleeding again. Flush with water from the steam gun and a neutral lubricant. This will generally remove such stains. If not, bleaching will be necessary.

Meat Sauces: Flush such stains with water and a neutral lubricant. Dry the fabric. Then apply solvent to the area and spot the stains with repeated applications of a volatile and an oily-type paint remover. Dryclean the garment.

Metallic Corrosion: See "Corrosion, Metallic."

Mildew: Flush with the steam gun and apply a neutral lubricant to which ammonia has been added, or a wetcleaning soap. Tamp with the spotting brush or work with the spatula and flush with the steam gun. Where traces remain on white or light-colored fabrics, spray with peroxide, allow a little time for oxidation, then flush out.

Where large areas are affected, brush with a wetcleaning soap, rinse thoroughly, then give a light bleach in a perborate bath. Even colored fabrics may be cleared by permitting them to remain in the bleach for a short period, watching closely for effect on the basic dye. On white linen, cotton or rayon a chlorine bleach may be used effectively.

Mud: Let the stain dry thoroughly, then dry-brush as much as possible from the surface of the fabric. Then flush the area with water and a neutral lubricant. Dry the garment. Should any traces remain, prespot the stains with an emulsion of water and drycleaning detergent and dryclean the garment.

Mustard: Saturate with the steam gun or water and apply neutral lubricant with formic or acetic acid, or a general formula. Work with the spatula or spotting brush and flush. Repeat procedure until no more color is removed. Then, on white or light-colored fabrics (or colored fabrics that withstand a test for dyefastness) apply hydrosulfite bleach, sodium perborate or hydrogen peroxide. Chlorine bleach may be applied on white cotton, linen or rayon. This is one of the few stains that can seldom be completely removed.

Nail Polish: Nail polishes are usually readily soluble in amyl acetate. Be sure to give the amyl acetate time to dissolve the nail polish and keep the stains saturated with amyl acetate by repeatedly applying a few drops. When the stain

has been dissolved, rinse the garment in the drycleaning washer.

Oxidizing Oils (Linseed, Cooking Oils, Mayonnaise, Cod Liver, etc.): This stain can be a very simple one to remove or be impossible, depending on the degree of oxidation. Therefore it is urgent to spot this stain as soon as possible and before drycleaning.

First apply some solvent to the stain and then an oily-type paint remover. Work well into the stain. Follow with a volatile-type paint remover. Tamp the spot well with a brush and dryclean the garment.

If the stain remains after cleaning, a wet-and-dry-side paint remover used on the wet side will sometimes improve the stain.

These stains can usually be identified by their characteristic cross design in the fabric. A highly oxidized stain will generally be dark to black in color.

In extreme cases a formula of one part pyridine and nine parts of solvent or oleic acid can be used to advantage.

Paint and Pigments: Paint and pigments should be removed before drycleaning whenever possible. Drycleaning and tumbling tend to dry out and oxidize the oils in the paint, making removal more difficult. Before drycleaning, paint spots can readily be removed by the use of both volatile and oily-type paint removers alternately. Then dryclean the garment. After drycleaning, a greater effort toward relubricating the paint stain will be necessary by the use of an oily-type paint remover. Then a volatile type can be used to help dissolve the pigment. Paint is most difficult on cotton fabrics and almost impossible to remove from leather.

Care should always be exercised in using a bone spatula in conjunction with paint removal because digging with the point can result in severe damage to the dyestuff or fabric.

Pencil, Indelible: See "Indelible Pencil."

Pencil Marks: See "Carbon."

Perfume: Perfumes usually contain a very high percentage of alcohol, which bleeds acetate dyes profusely. Therefore in many cases (wherever acetate dyes are present) perfume stains will mean that the dye has bled to form a dark outer ring of built-up dye. In almost all cases nothing can be done to overcome this condition short of redyeing.

In an attempt to remove the stain it would be advisable to flush the area well with a neutral lubricant and water. Then add an acid spotting agent such as 28 percent acetic acid or general formula. Flush the stain well and dry.

Perspiration: Spray with a steam gun or water and apply a neutral lubricant. Tamp the area with a brush and flush thoroughly. Add a little ammonia, if necessary, to the neutral lubricant, tamp and again flush the area.

Sometimes color changes occur under the arms. The color can be restored by the application of 28 percent acetic acid or 10 percent formic acid.

In charged-system operations garments can generally be introduced into the washer without drying, provided the system is adequately charged to absorb this moisture and the humidity factor of the solvent system has not been exceeded.

Road Oil: See "Tar."

Rubber Glue or Rubber Cement: See "Glue, Rubber."

Shoe Polish: Prespot before drycleaning whenever possible. Lubricate the stains thoroughly with an oily-type paint remover, then flush the stains with a volatile-type paint remover. Continue this as long as bleeding takes place. Then dryclean the garment.

Any stain that remains after drycleaning is usually a leather dye that is very difficult to remove. Saturate the area with steam or water and lubricate thoroughly with a neutral lubricant followed by ammonia. Flush the stain thoroughly.

Silver Nitrate: Flush with the steam gun or clear water, add a drop of iodine or put a few crystals on the spot, and leave this on the stain for 30 seconds to one minute. This converts the silver nitrate into an iodide salt, which is soluble in ammonia and sodium thiosulfate (hypo). After thoroughly flushing out the stain formed by the combination of iodine and silver nitrate, dab the affected area with a small amount (half teaspoonful) of hypo crystals wrapped in cheesecloth which has been saturated in dilute ammonia. Flush, feather out and repeat the process if necessary.

Soft Drinks: Flush with the steam gun or clear water and apply a neutral lubricant, possibly adding acetic or formic acid. Work with the spatula or spotting brush and flush with the steam gun. If necessary, follow with a few drops of general formula and again work with the spatula or brush and flush. Last traces of color on white or pastel garments (or on darker garments after testing for colorfastness) may be bleached with hydrogen peroxide or a few drops of hydrosulfite.

Soot: See "Carbon."

Syrup: See "Candy."

Tar: Saturate the area with drycleaning solvent. Then work an oily-type paint remover well into the stain. Flush the area with a volatile-type paint remover and dryclean the garment.

In some cases a yellow stain may remain. This type of stain may be removed by the use of a few drops of carbon disulfide but this material is very inflammable and carries a rather repulsive odor. Fortunately most tar can be removed without resorting to this extreme.

Tea: See "Coffee."

Vomit: This stain often involves large areas of a garment. In some instances the substance has dried. As much as possible should be dry-brushed from the fabric. Then, if the plant is operating on a charged system, a water gun can be used to wet down the affected areas and a neutral lubricant can also be brushed into these areas. Then dryclean garment.

It may be necessary to digest such stains. This may involve a local operation or immersion of the entire garment in a digester bath. The latter, of course, will involve wetcleaning the garment.

Spotting Tips

1. Keep tight corks or covers on all spotting agents. Only solvents safe for use on all fabrics should be kept conveniently at hand.
2. Many fabrics are weak when wet. Use a tamping action with a brush.
3. After use, spotting brushes should be hung up to dry or left face down so the water drains from the bristles. Soaking in water swells the fibers and splits the wood base.
4. Keep spotting brushes in shape. Uneven bristles cause inaccurate applications of solvents and may hurt the fabric.
5. Gouging with the point of the spatula will lead to damage claims. Excessive rubbing with a bone spatula, particularly on hard-finished fabrics such as taffetas, will often cause a loss of color.
6. Acetate dyes bleed profusely with alcohol and slightly with acids. Keep this in mind when using acid spotting agents and some prespotters that contain alcohol.
7. Use a dropper to apply spotting agents. Frequently a few drops will do the job; when small amounts are employed, removal of the agent is simplified.
8. Remember that wool dyes bleed with alkalies such as

ammonia. Be careful in using hot soap solutions or using any alkali in conjunction with the steam gun.

9. Before resorting to wetcleaning consider the possibility of handbrushing with emulsions of drycleaning detergents and water or spraying down the garment before rerunning in a charged-system operation.

10. When applying a digester to an albuminous stain make certain all the soap, alkali or acid is thoroughly rinsed out.

11. Do not use rust removers on the glass top of a spotting board. Keep any of the sulfur bleaches such as sodium hydrosulfite from coming in contact with metal while it is used on a fabric. A black metallic oxide stain will result.

12. In using a steam gun keep the jet moving at all times, and keep it about 3 inches from the fabric. Getting the jet too close to the fabric may result in fuzzing.

13. Remove all spotting agents from the fabric. If they are dry, like paint removers, flush them out with a dry solvent. If they are wet, like ammonia or dilute acetic acid, flush them out with water.

14. In drying garments circulation of air is more important than high temperatures.

15. Know when to quit. In cases where it is impossible to remove the stain without danger to the fabric, it is better to leave the spot than ruin the garment.

Stains To Be Prespotted

Stains that are set by the heat encountered in drycleaning and pressing should be recognized readily by markers and spotters. The following stains should always be removed in prespotting:

Blood: A stain red to brown in color, both absorbed and built-up, usually found on the fronts of garments.

Coca-Cola, Root Beer, Beer, etc.: Stains of this type often develop into difficult stains. Working them before exposure to cleaning and heat is advisable.

Coffee: Color will vary from light brown to dark brown depending on the amount of cream in the coffee; entirely absorbed. Stain will tend to spread in wide splotches with irregular edges.

Lipstick, Rouge: Partial removal of the pigment may leave dye remaining unless stains are adequately lubricated before cleaning.

Mud: Exposure to the drying effect of solvent and heat causes clays present to bake into an insoluble state.

Oxidizing Oils (Cod Liver, Mayonnaise, etc.): Once these stains become oxidized through aging or exposure to heat they are impossible to remove.

Paint: See "Lipstick."

Perfume: May be identified by odor and location on front of garments. In pronounced cases may leave a round or circular stain, light in center with the dissolved dyestuffs pushed out to the circumference in a dark, heavy ring.

Pigment Dyes: A common stain on the seat and shoulder of a garment, usually picked up from leather upholstery.

Road Oil, Tar, Asphalt: Black, built-up stain with a rough, uneven surface and irregular edges. If fresh, has a distinctive odor.

Syrup: Sticky when wet; often identifiable by odor.

Tea: Similar to coffee, but more tenacious.

THE SHIRT DEPARTMENT

Shirt Laundering

What other cleaners have found out about the shirt laundering and finishing sideline:

1. Shirts are a permanent item of wearing apparel and require almost constant maintenance the year 'round.

2. Shirt tailoring is fairly well stabilized and permits finishing on standard equipment.

3. Cotton sport shirts which would otherwise be wetcleaned or drycleaned are handled quickly by the shirt department.

4. Shirt customers are inclined to bring other garments, thus stimulating drycleaning sales and tending to level peaks and lows throughout the year.

5. The shirt sideline is profitable in itself. Profits of 20 to 25 percent before taxes are not unusual.

Is your present location suited for shirt laundering?

Chances of success are greater:

In cities than in rural areas

Among white collar workers than among the laboring class

Among the upper and middle-income groups than low-income

Among native-born families than among foreign-born

How many shirts do you need to reach the break-even point?

For the very smallest complete shirt laundry (three operators) a minimum of approximately 1,000 shirts per week at 20 cents each is thought to be necessary in a high-cost area to reach the break-even point after checking off depreciation.

You can estimate your potential volume by simply asking your current customers if they would welcome such a service. Or, for a quick estimate, figure that each adult male in your market area has about four shirts which will need laundering each week. Not a few cleaners got into the laundering end of the business after first having shirts "farmed out." This provides a highly accurate count.

How much floor space do you need?

Many cleaners simply don't have enough room to add a shirt sideline. A complete, three-girl laundry will require about 175 square feet of floor space.

What equipment is necessary?

Basically, a washer, an extractor and a finishing unit. Racks, bins, tables and damp boxes can either be built or purchased as desired. Optional equipment may include a starch cooker (big enough to hold a half-day supply of starch), button sewer, marking equipment and a "conditioning" tumbler.

Examples: Two typical package shirt laundries on the market, each said to be able to produce 2,000-2,400 finished shirts per week:

Unit A includes 20-lb. (dry-weight capacity) washwheel, 15-inch extractor.

Unit B includes 25-lb. washwheel, 20-inch extractor, 2-girl finishing unit.

In purchasing equipment you should consider:

How much the unit can produce,
Quality of work produced,
How much room unit will take,
How it will fit into possible later plant expansion program,
Ease of operation.

One rule of thumb is to equip a plant with machinery of sufficient size to handle volume during a peak day, which is often about 25 percent above average.

Other considerations:

Additional equipment and machinery will create additional demands on your power and water supply and may necessitate additional or larger equipment.

For example, a three-operator laundry and shirt finishing department requires:

Steam: About 7 b. hp. at 100 lbs. pressure.
Compressed air: 1½ to 2 hp. air compressor or 6-6½ cubic feet of free air per minute at 70 lbs. per square inch.
Hot water: Should be available at the rate of 90 gallons per hour over a ¾-inch pipe. Where hot water is not provided, a hot-water heater with a capacity of 150 gallons per hour at 180° F is recommended.
Water-softening equipment: May be required in some localities.

How much will it cost?

Most price lists are given as F.O.B. which means delivery cost must be added. Installation charges generally run an extra 15-20 percent of equipment and machinery costs.

Conservatively speaking, the cleaner who expects to handle 1,500-2,000 shirts per week should expect to invest an estimated $8,000 to $11,000 on his new shirt laundry and finishing equipment.

Open-End Washers

Manufacturers' rated capacities in dry pounds of clothes

Diam. of Wheel	Length or Depth of Wheel												
	13"	14"	15"	16"	18"	20"	22"	24"	25"	26"	28"	32"	42"
20"	..	..	..	..	..	15	..	..	..	..	..	..	..
22"	..	..	..	..	..	..	..	..	25	..	..	..	..
27"	..	..	20	..	..	..	..	..	..	..	..	..	..
28"	18	..	..	25	..	..	..	..	..	..	..	..	..
30"	..	25	30	..	35	..	..	..	..	..	50	55	60
32"	..	..	..	..	..	..	..	50	..	..	..	..	..
34"	..	..	..	..	..	..	..	60	..	..	..	..	..
36"	..	..	..	35	50	..	60	60	..	75	..	..	..
42"	..	..	..	..	..	..	..	100	..	100	..	..	..

The open-end washers seems to be the most popular type used in small shirt laundries, probably because they come in smaller sizes than the side-loading variety.

In making a purchase consider the following:

Ease of loading and unloading,
Rapidity of filling and dumping,
Amount of labor needed to maintain operation.

In deciding upon the capacity required, remember that *one dry shirt weighs about ½ pound.* A washer with a dry-weight capacity of 25 lbs. will hold approximately 50 shirts.

Extractors

Diameter	* R.P.M.	* * Dry Load Pounds
15"	1600–1750	10
17"	1500–1700	12–18
20"	1300–1650	25–30
26"	1200–1600	40–55
28"	1100–1400	60–70
30"	1000–1320	70–80

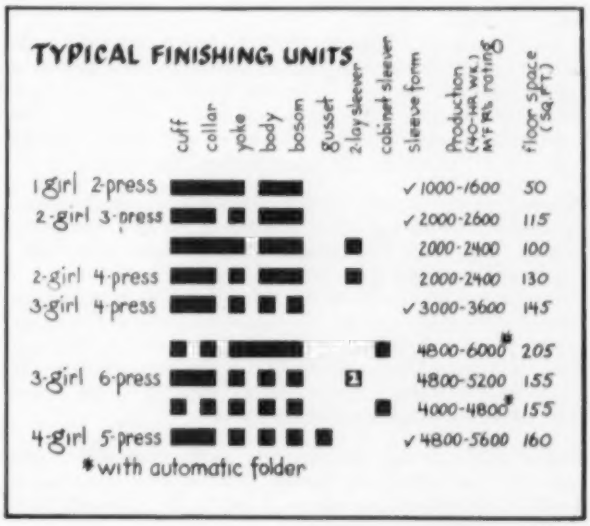
* Approximate—R.P.M. of similar size extractors of different manufacturers vary.
* * Manufacturer's rated capacity.

Generally speaking, the smaller the diameter of the basket the greater the number of revolutions per minute and the faster the extracting cycle. An efficient extractor should remove roughly 70 percent of the water in a load. You can check this by weighing the load before and after extraction. When the amount of moisture retained in the load reaches 50 percent of the load's dry weight, it is no longer economically feasible to continue the extracting operation.

As minimum equipment some manufacturers recommend the 2-girl unit with either three or four presses. This unit can be operated by one girl until the volume gets up around 800-1,000 shirts per week. Then another girl can be added to bring the unit up to full strength and peak production.

The Washing Formula

The washing formula is nothing more than a set of operations to be followed in washing garments of a certain classification. There are as many formulas as there are classifica-



BLOCKS INDICATE presses and their function in each unit. Innumerable combinations can be made by either adding or subtracting operators or equipment. For example: The first 2-girl three-press unit can readily be converted to a four-press unit by adding either a two-lay sleeve press or a one-lay sleeve cabinet

tions. Each operation is a separate bath and each has a specific name. The formula indicates the operating conditions and supplies needed for each bath.

It is impractical to give one washing formula which can be used under all conditions in every plant. Your soap supplier is the person best equipped to recommend the formulas best suited for your operation.

The Break: The "break" or first bath serves to wet out the clothes. It is one of the most important operations in the washing formula. When properly executed, the break loosens and suspends up to 96 percent of the soil present in the load. Only about half of this soil is removed when the bath is dumped, for garments absorb a good portion of the water. The water level used at this stage is sometimes run a little higher than in the suds bath since there is more soil to remove.

Recommended Washing Temperatures	
Whites	140°–160° F
Lights & fast colors	140°–150° F
Fugitives, silks, rayons & wool	90°–100° F

Running time on breaks runs from 5 to 10 minutes for side-loading washers, while 2-minute runs are deemed minimum for the open-end type washers.

Suds: The purpose of the suds baths is to dilute and suspend the soil which has already been loosened but which still remains in the load after the break. It also serves to dislodge the more stubborn soils remaining in the fabric. Soap is the ideal agent for this operation.

Running time for this bath should not exceed 10 minutes, for tests have proved that most of the dirt in a load is placed in suspension in less than 5 minutes. The *length* of the sudsing (or for that matter, rinsing) cycle is not as important as the *number*, where washing efficiency is concerned. Two 5-minute suds are more effective than one 10-minute suds.

Bleach is added in the final suds operation to remove stains. Bleach does not clean clothes—it whitens them. It is useless for covering up grayness from redeposition of soil, soap or alkali.

Overbleaching is hard on clothes since it reduces tensile strength of fabrics. Under normal conditions, *it is generally agreed that one quart of 1 percent bleach per 50 pounds of clothes is the correct amount to use*. Bleach should never be used without soap in the wheel. Soap slows down the bleaching action until the bleach has permeated the load.

Rinsing: Rinses are employed to remove soap, alkali and, of course, any remaining soil suspended in the load. Improper rinsing may result in yellowing of the fabric, gray work, soap specks, sticking of the shirts to the press bucks, etc.

Under normal circumstances a 1-to-2-minute rinse is long enough for a rinse bath in a 25-pound washwheel. The number of rinses will depend on the amount of soil in the load. Rinsing is considered sufficient when the total alkalinity is equal to or not more than twice the titration of tap water where there is a high bicarbonate content.

Souring: The souring operation is used to neutralize any alkalinity not removed by rinsing. If the souring operation is omitted, particularly on starched work, the garments may become yellow when ironed.

Sours in common use are either acid salts or weak acids. The sour operation should be run at least 2 minutes and preferably 3 minutes at a level lower than that used for the suds. Cold water is ordinarily used. Do not rinse after the sour bath.

Blueing: The main reason for using blue is to counteract the tendency of cottons to turn yellow from age and the accumulation of impurities. There are three types of blues used in laundering: (a) sour blue, (b) combination blue and (c) non-sour blue.

Sour blue is used in the sour bath or in a following bath that is on the acid side of the pH scale. It may be added to the wheel before souring but for proper color development sour should be included in the same bath. If this method is used thorough rinsing must precede blueing, otherwise ironing will bring out a pinkish hue in the fabric.

Combination blue is designed for use in either a sour or alkaline bath and gives a blue tint.

Least often used in the laundry is the non-sour blue, since modern plants do use sour. This type gives the fabrics a green-blue tint.

In order to obtain even blueing a high level of cold water should be used. The normal running time is about 3 minutes and the amount used depends upon individual preference. The blue solution should be added as the cylinder revolves *toward* the operator to assure even dispersal throughout the load.

Starching: The use of all-cooked starch for sizing shirts in the wheel is recommended because cooked starch gives work a better feel and finish, more uniform results and less is required than if starch is used raw.

Prepare the thin-boiling, noncongealing starch on the basis of 8 oz. per finished gallon—the thick-boiling starch on basis of 5 oz. per finished gallon.

The following table shows amount of starch to use in preparing given quantities of cooked starch on the basis of either 8 oz. or 5 oz. per finished gallon:

To Make	At 8 Oz. Per Gal.	At 5 Oz. Per Gal.
10 gal.—use	5 lb.	3 lb. 2 oz.
15 gal.—use	7½ lb.	4 lb. 11 oz.
20 gal.—use	10 lb.	6 lb. 4 oz.
25 gal.—use	12½ lb.	7 lb. 13 oz.

When preparing starch, always:

1. Weigh starch and measure water accurately. Do not guess.
2. Boil starch fairly hard for at least 20 minutes, counting time from moment boiling actually starts.
3. Check valves on starch cooker to make sure they do not leak and thus cause the starch solution to thin out.
4. Keep starch cooker and all containers clean to prevent souring.
5. Do not "build up" starch. Make fresh starch each time. Adding old starch to new is false economy.

For Cottons	Use a Solution of
Starching	1 part boiled starch
Light	to 7 parts water
Medium	to 5 parts water
Heavy	to 3 parts water

Lack of a starch cooker in some plants makes the use of raw starch an attractive method. The required amount of raw starch should be suspended in a bucket of water and this mixture distributed evenly over the inside cylinder while the wheel is in motion. The load is run for 10 minutes.

The procedure for starching shirts in the washwheel is as follows:

1. Use a low water level.
2. Use one gallon full-strength starch to each 25 to 35

shirts—on an average 3 gallons (one 12-qt. pail) to each 100 shirts.

3. Add required amount of starch to the wheel during last rinse or blueing process, while wheel is in motion and turning toward you. Run load for a full 10 minutes.

   or

   Size in the wheel in which shirts have been washed but after washing process has been completed. Water is drained from wheel, the wheel is stopped and opened and the required amount of starch is poured directly over the shirts.
4. Increase or decrease the amount of starch used, if necessary, to meet local conditions or special requirements as to weight and body of shirt work.
5. When shirts are washed in nets figure each net as two shirts and make proper allowance for amount of starch to be used.
6. After starching, extract shirts until just a trace of water comes from the extractor. Time required will depend on speed of extractor and weight of load. Iron directly on press machine.
7. Colored shirts require 10 to 15 percent less starch than white shirts, so if washed separately, use proportionately less starch than recommended above. It is recommended, therefore, that white and colored shirts be sized separately whenever possible.

Problem	Probable Cause
"Pinholes" in fabrics	Introduction of live steam into water in washwheel during the bleaching operation. Bleaching should be carried out at temperatures between 140° and 160° F. Increasing temperatures beyond this range increases tensile-strength loss.
Dirty buttons	Sudden changes in temperature of rinse baths. The first rinse should be the same as or slightly higher than that of the last suds. If lower temperatures are used, there may be deposition of dirt on buttons, which cool more rapidly than the rest of the load. Temperature of succeeding rinses may be reduced but sudden changes should be avoided.
Uneven blueing	May result from overloading nets and/or washer; uneven souring; insufficient running time; using too great a concentration of blue and/or adding it to the load incorrectly.
Setting of blood stains	Too high a temperature on the break. When dealing with blood-stained garments keep the break temperature below 100° F.
Soap specks and "tattletale gray"	Redeposition of soil on the load resulting from use of hard water; washing excessively soiled clothes which cause soap to break down; or insufficient rinsing.
"Falling" suds	Excessive soil; improperly built soap; laundering in hard water, etc. Falling indicates improper cleaning. A good suds will "stand" on water surface for at least 5 minutes.
Starch turns brown	The color change occurs during the finishing operation and is often caused by excessive alkalinity of the water used in cooking starch. The higher the alkalinity of the solution, the greater the density of the starch and the more apt it is to congeal. On being heated, congealed starch will turn yellow or brown. A small amount of a safe sour may be added to each batch to remedy this condition.
Sticking starch	When starch accumulations form on press heads and cover cloths, improper cooking is nearly always the fault. Be sure to boil starch for at least 20 minutes. Always begin the process using warm, not hot, water. Sticking of starchwork may also be caused by insufficient rinsing and/or excessive souring.
Starch blisters	When starch is overcooked it becomes thin and weak; if used in this condition it tends to blister and buckle. Follow the manufacturer's cooking directions carefully. Blisters are also apt to appear on collars if the collar press operator fails to allow sufficient time for drying or if the bosom press operator accidentally sprays the finished part of the shirt while spraying the bosom.

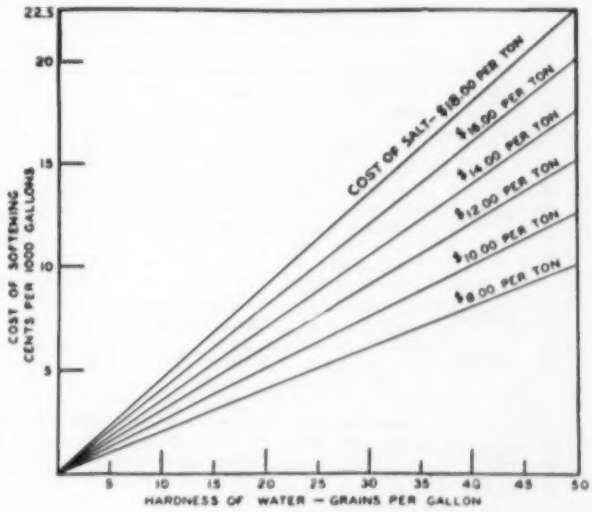
Test for Water Hardness

To perform, standard soap test solution can be obtained from water-softening supply house.

Add 3 drops of solution to 40 cc. of the water to be tested. Shake well. If water is soft, lasting suds will be formed. (About 5 minutes is considered "lasting.") If not, add another 5 drops of soap solution; shake again. If lasting suds now form, approximately 1-grain hardness is indicated. An additional grain of hardness is indicated by every additional 5 drops needed to form lasting suds. When 38 drops are needed to form lasting suds, hardness of approximately 7 grains is indicated.

Note: If both magnesium and calcium hardness are present in water, calcium is precipitated first and suds may be formed; however, the magnesium will then begin to act on the soap, breaking the suds down again.

Cost of Zeolite-Softened Water



Source—Elgin Softener Corp.

With the above chart it is possible to make a rapid calculation of the costs of softening water with a zeolite system. After finding the hardness figure for the water supply in the scale across the bottom of the graph, read up to the diagonal line which gives the local cost of zeolite salt; this point on the left, vertical scale, represents the cost of softening in cents per 1,000 gallons.

FABRICS

Burning Tests for Natural Fibers

Cotton: Burns quickly, yellow flame, smolders
Ash—gray, fluffy, floats off
Odor—burning wood or paper

Linen: Burns rapidly but less rapidly than cotton, smolders longer
Ash—gray, very light and fluffy
Odor—burning wood or paper

Silk: Small flame, sizzles, burns more rapidly than wool, does not smolder
Ash—shiny black beads, readily pulverized
Odor—burning feathers

Silk, weighted: Burns slowly in flame, not after flame is removed
Ash—skeleton of weighting glows
Odor—burning feathers

Wool: Burns slowly, sputters
Ash—black, gritty, pulverizes easily
Odor—burning hair

SYNTHETIC FIBERS

CHARACTERISTICS

		COMPOSITION	MANUFACTURERS	END PRODUCTS	BURNING TESTS	SOLVENT TESTS
Acrylic fibers	ACRILAN	Coal, limestone, petroleum, natural gas, water and air	The Chemstrand Corp.	Suits, dresses, socks, playsuits, sport shirts, infants' wear, blankets and furlike linings for coats	Melts and burns with smoky yellow flame, leaving hard black bead.	Not affected
	DYNEL	Natural gas, air, salt, water and limestone	Union Carbide & Carbon Corp.	Suits, dresses, socks, underwear, blankets and pile fabrics. Drapes and industrial garments where resistance to acids is important	Will not support combustion; but shrinks, hardens and becomes black and brittle	Dissolves in 100% acetone, but not as rapidly as acetate. Gets tacky in seconds
	ORLON	Coal, limestone, petroleum, natural gas, water and air	Du Pont Co.	Overcoats, suits, dresses, sweaters, shirts, blouses, socks, curtains and drapes	Melts and burns, leaving hard black bead	Not affected
Polyester	DACRON	Petroleum, natural gas, air and water	Du Pont Co.	Suits, dresses, ties, shirts, sweaters, socks and upholstery	Melts and burns, leaving light-color bead	Not affected
Polyamide	NYLON	Coal, air, water, petroleum, corncobs, cottonseed hulls and natural gas	Du Pont Co. The Chemstrand Corp. Allied Chemical & Dye Corp. American Enka Corp.	Hosiery, lingerie, sport clothes, socks, dresses, suits, curtains, sweaters, drapes, upholstery	Melts and burns, leaving light-color ash	Dissolves in concentrated formic acid and xylenol
Vinyl	SARAN VELON	Petroleum and salt	The Saran Yarns Co. Dow Chemical Co. Firestone Tire and Rubber Co.	Carpets, draperies, curtains and upholstery fabrics	Melts, does not burn, leaves dark bead	
Mineral	FIBER GLASS	Sand, lime, borax and clay	Owens-Corning Fiberglas Corp. Pittsburgh Plate Glass Libbey-Owens-Ford Glass Glass Fibers, Inc.	Curtains, draperies, shower curtains and casement cloths	Forms molten bead which can be pulled from fabric. Bead in flame becomes red hot	Rust remover will dissolve it
Protein	VICARA	Corn	Virginia Carolina Chemical Corp.	Overcoats, suits, dresses, sport shirts, sweaters, scarves, socks, underclothes and blankets	Glistening black brittle ash like wool. Smells like wool, too	

Recommended Finishing Ranges

Fiber		Temperature
Glass		550–600° F
Linen		450–500° F
Cotton Arnel		400–420° F
Wool		350–370° F
Silk Vicara	Silk setting	320–340° F
Acetate Acrilan Dacron Nylon Orlon Rayon	Rayon setting	280–300° F

Fiber		Temperature
Dynel Vinyon	(Finish on gridhead press)	Under 250° F
Permalon Saran Velon	CANNOT be finished	

Steam-Line Sizes

Number of Presses	Size Steam Line
1-2	½ inch
3-4	¾ inch
5-6	1 inch
6-10	1¼ inches
10-14	1½ inches
14-25	2 inches

Sources—National Institute of Drycleaning
Textile World

SYNTHETIC FIBERS

METHODS OF HANDLING

MAY BE TREATED AS	*SATISFACTORY IRONING TEMP.*	*DRYCLEANING*	*WETCLEANING*	*SPOTTING*	*FINISHING*	
Orlon, Dacron	260° F	Withstands usual drycleaning processes	Withstands usual wetcleaning processes	Not damaged by common spotting solvents	Use hothead press on "acetate" setting to avoid yellowing or shine. Set creases carefully as they are semipermanent	
	Up to 250° F considered safe Softens at 275° F	Withstands usual drycleaning processes. Do not tumble. Attracts grease in load	Withstands usual wetcleaning processes	Dissolves in acetone but this is rarely used in spotting	Avoid stiffening and fusing by pressing on gridhead press, finishing on covered puff irons. Extremely sensitive to heat	Dynel fleece: Do not steam and brush at same time; flattens nap
Acrilan, Dacron	300° F–320° F	Withstands usual drycleaning processes. Do not tumble fleece	Withstands usual wetcleaning processes	Not damaged by common spotting solvents. Behaves like cellulose acetate rayon	Use low rayon setting; avoid prolonged heating. Permanent pleats should be touched up	
Acrilan, Orlon	Acetate setting Melts at 480° F	Withstands usual drycleaning processes	Withstands usual wetcleaning processes. Does not remove pleats	Not damaged by common spotting solvents	Press adjusted for acetates very satisfactory. Crease put in with hothead press only removed by gridhead press	
Acetate	275° F Melts at about 480° F	Withstands usual drycleaning processes	Withstands usual wetcleaning processes	Not damaged by common spotting solvents	Finish on "acetate" setting using reduced steam pressure, or mechanical pressure	
	Will not stand 212° F Softening point 240° F–280° F	Not recommended: Will not stand mechanical action of washer, extractor or tumbler. Caution: material tends to form permanent creases when folded		Can be cleaned with damp cloth or spotted with steam gun	Steaming on press will cause it to shrink excessively. Can't be stretched. Most items will not require finishing	
	Strength begins to decrease at 600° F	Do not drycleon. Does not withstand usual drycleaning processes	Use only minimum mechanical action. Do not wring, extract or tumble	Printed fiber glass may bleed in cleaning solvent	No finishing is required. May be cabinet-dried	
Wool	350° F Softens at 450° F	Withstands usual drycleaning processes	Withstands usual wetcleaning processes	Reacts somewhat like wool. Wet solvents work better than dry solvents	No unusual problems. Fabrics with which it is blended will determine finishing temperature	

THE FUR DEPARTMENT

Fur Conditioning

Precleaning

All coats accepted for fur cleaning should be closely inspected for rips, tears, and fragile or worn pelts. Any torn or worn seams should be repaired at this point of the operation. Take out any loose linings to prevent the cleaning compound from working under them. Moth damage, shedding or cracked hairs, and fugitive dyes (such as are sometimes found on blue and platinum fox) must be reckoned with during this first operation.

After inspection, each coat should be beaten and shaken to remove loose dust and hair, moths and larvae, as well as to fluff up the matted hair. This operation economizes on the cleaning compound because there is less loose dirt left in the coat for it to absorb, and also cuts down drumming time. Beating may be quickly accomplished in a vibrating chamber.

Sponge the lining of the garment with a cleaning solvent. This solvent must have properties that remove dirt, grease and most ordinary spots. Pour one pint into a shallow pan, then apply to the lining and rub vigorously with a sponge or brush. Where you have a concentration of dirt, wet down generously with solvent and then use a brush to work this dirt loose. About 3 or 4 percent of all linings are badly soiled and will have to be removed and drycleaned.

Drumming and Caging

Put 1 to 5 pounds of absorbent into the drum for each coat to be cleaned. Also add 1 pint of cleaning solvent and ½ pint of water-base cleaning fluid for each coat. Absorbent materials and cleaning fluids should be completely mixed before coats are put in drum. Place coats in drum and revolve for approximately one-half hour. This time may vary, depending on the coat's fragility.

After drumming, garments are placed in the cage and tumbled an average of 45 minutes. Next, the garments are placed in the suction chamber of the vibrating table to remove any excess absorbent material. Each garment is then placed on a work table and both the lining and fur are blown with compressed air. If cleaning material has worked under the lining, open the seams and blow it out, but to avoid excess labor keep seam ripping to a minimum. Use a mechanical beater in conjunction with compressed air to remove lint from curly fur such as Persian lamb.

Glazing

Fur glazing is to fur cleaning what pressing is to drycleaning. A fur garment may be cleaned thoroughly, yet will not look well until it has been glazed. Glazing may be accomplished either through the use of solutions or through mechanical means. Solutions used include potassium permanganate, Chinese elm bark soakings, alcohol, plain water, etc.

In recent years steam irons, steam guns and rotary irons have become popular for this purpose, and usually do an excellent job with minimum labor. The method used, of course, must be suited to the particular fur being glazed. The steam-iron method is limited to certain types, such as muskrat, mink and coney. Beaver or mouton types and curly furs should not be steamed. The rotary iron is a grooved, revolving, heated iron which, when properly applied to fur, will straighten out the hair and produce a high sheen and silkiness.

Fur Cleaning Classification

Fur	Drumming Time	Caging Time
WATER RODENTS		
Beaver	1 hour	1 hour
Nutria	1 hour	1 hour
Muskrat	30 to 40 minutes	15 to 20 minutes
LAND RODENTS		
Rabbit Marmot	30 to 45 minutes	30 to 45 minutes
THE CAT FAMILY		
Leopard Ocelot Leopard Cat Lynx Civet Cat	30 to 40 minutes	25 to 30 minutes
THE DOG FAMILY		
Fox Wolf Coyote Chinese Dog	45 to 60 minutes (bagged)	These furs usually used for scarfs. To prevent breakage of buckles and eyes, do not cage
THE BEAR FAMILY		
Raccoon Bear	1 hour	1 hour
POUCHED ANIMALS		
American Opossum Australian Opossum	45 minutes	45 minutes
THE WEASEL FAMILY		
Mink	30 to 40 minutes	30 to 40 minutes
Kolinsky	30 to 40 minutes	30 to 40 minutes
Fitch	30 to 40 minutes	30 to 40 minutes
Fisher	30 to 40 minutes	30 to 40 minutes
Weasel	30 to 40 minutes	30 to 40 minutes
Otter	45 minutes	30 minutes
Skunk	45 minutes	30 minutes
CURLY FURS		
Lamb Persian Lamb	20 to 30 minutes	5 to 10 minutes
HOOFED ANIMALS		
Pony	35 to 45 minutes	35 to 45 minutes
Kidskin	20 to 30 minutes	10 minutes
FUR SEAL		
Black Brown	35 to 45 minutes	35 to 45 minutes
DELICATE FURS		
Chinchilla Mole Squirrel Barunduki	Hand-clean	Shake out by hand or with a suction work table

Source—Walter Haertel Co.

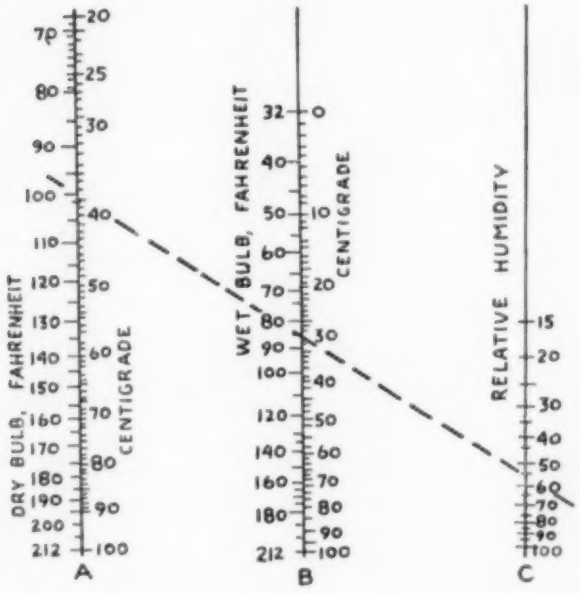
Effects of Excess Humidity

When there is a relative humidity of 65 percent or more in a storage vault, every article in the vault is in danger of being ruined by mildew. Mildew will grow in furs, rugs, and all cloth garments. Humidity of 52-53 percent is plenty for most situations.

It is not generally known that excessive humidity, even if it is not sufficient to cause mildew to grow, can spoil the fit of a fur coat. When humidity reaches a certain maximum, skins become soft and pliable and subject to stretching at the shoulders.

Gauging Relative Humidity

The accompanying chart makes it possible to gauge relative humidity quickly. Run a straight line through the dry bulb temperature, column A, and the wet bulb temperature, column B. The relative humidity is given at the intersection



with column C. Thus, if the dry bulb temperature is 100° F and the wet bulb temperature 85° F, the dotted line drawn across the chart shows that the relative humidity, column C, is 54 percent.

The chart is based on a formula developed by the U. S. Bureau of Standards.

Capacities of Fumigation Cabinets

Inside Area (cubic feet)	Capacity (number fur coats)
141	40
219	70
297	100
375	130
453	160
531	190
639	220
717	250

Glazing Chart

Fur	Rotary Iron	Steam Iron
Beaver	•	...
Civet Cat	•	•
Ermine	...	•
Fitch	•	•
Fox	...	•
Guanaco	•	...
Lamb, Persian, and others	...	...
Leopard	•	...
Mink	•	•
Mink, Jap	•	•
Mink, Side	•	•
Mouton Lamb	•	...
Muskrat	•	•
Nutria	•	...
Ocelot	•	...
Opossum, American	•	•
Opossum, Australian	•	...
Otter, Plucked	•	...
Persian Paw Lamb	...	...
Rabbit	•	•
Raccoon	•	•
Raccoon, Sheared	•	...
Seal, Fur	•	...
Seal, Hair	•	...
Skunk	•	•
Squirrel	•	•
Wolf	•	•
Wolverine	•	•

Source—Walter Haertel Co.

Fur Storage Definitions

HUMIDITY CONTROL is increasingly recognized as one of the most important factors in the successful operation of the fur and woolen garment storage business. Besides moth damage, mold as a damaging element is becoming more important with the growth of the apartment-dwelling population. It calls for accurate and careful humidity control.

If fur garments are kept in an absolutely bone-dry atmosphere they lose some of their natural oils and pliability. They then become vulnerable to breakage and to loss of hair from the pelts. If too much humidity is present, mold damage may completely ruin a garment.

Hence, the subjects of relative humidity, humidity measurements, humidity control, hygroscopic moisture, refrigeration and other phases of scientific storage engineering are important. It is believed that this set of definitions will make a useful contribution to the vocabulary of the industry.

Dew Point: The temperature at which moisture in air will condense if cooled at constant barometric pressure. Air has a capacity to hold moisture which increases with the air temperature and decreases as the air temperature is lowered. If air is cooled to the point where relative humidity reaches 100 percent, the moisture will be given up in the form of condensation. At that temperature, the air has reached dew point.

Example: Air at 70° dry bulb and 65° wet bulb (see below) has a dew point of 62.5° F. If the air is passed over a cooling coil which has its surface maintained at a temperature of below 62.5°, the moisture in the air will be given up as a condensation on the coil (the process of dehumidification or latent cooling).

Relative Humidity: The percentage of the maximum amount of water vapor or moisture which can be absorbed by air at a given temperature. It is determined by a wet bulb depression or can be measured by a direct reading hygrometer. A hygrometer usually employs hair or other material which is sensitive to humidity changes.

Wet Bulb Temperature: Air temperature measured by a thermometer equipped with a wick (on the bulb) which is

saturated with water. When air is passed over the bulb, the thermometer will drop below the dry bulb temperature of the air because of the evaporative cooling effect. The wet bulb reading is taken when the wet bulb thermometer reaches its lowest point. The number of degrees it falls below *dry* bulb temperature is called *"wet bulb depression,"* which is a measure of relative humidity.

Wet bulb temperature provides a means of determining the latent cooling load or latent cooling effect when used in conjunction with a psychrometric chart. The instrument ordinarily used to take wet bulb reading is a psychrometer.

Example: Air at 70° dry bulb and 60° wet bulb has 56 percent relative humidity and contains 26.5 B.t.u. per pound. At 70° dry bulb and 65° wet bulb, the relative humidity is 77 percent, and total heat contained is 30 B.t.u. per pound.

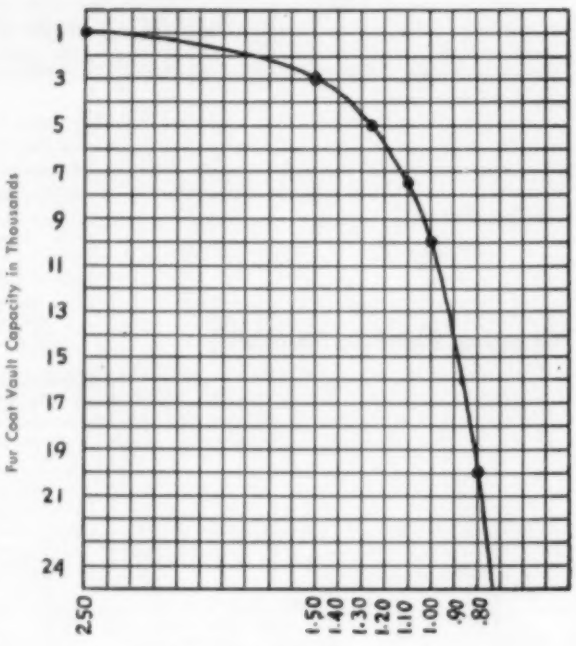
Refrigeration: May be defined as the process of cooling or removing heat. It is the process by which the temperature of a given space or substance is lowered below that of the atmosphere or surrounding materials. This is accomplished by transferring the heat contained in one substance to another.

Temperature: Heat can be measured and the degree of intensity of heat is termed temperature. The unit of temperature most used in the refrigerating industry is the degree Fahrenheit. The degree Fahrenheit is 1/180 of the difference between the temperature of melting ice and that of water boiling under standard atmospheric pressure.

Hygroscopy: Hygroscopic materials are those that readily absorb and retain moisture. They are generally of vegetable or animal origin. Furs are hygroscopic.

The temperature and relative humidity of air affect the hygroscopic moisture content of these materials and in turn their weight, strength, appearance, quality and ease of working. The control of hygroscopic moisture may be required during storage to permit easy processing and to fix the weight at the time.

Approximate Cost of Vault Equipment



Source—Reliable Fur Storage Equipment Co., Division of Reliable Machine Works, Inc.

Moisture Content: The sum of free moisture resulting from hygroscopic moisture absorbed from the atmosphere. It is usually expressed as the percentage of the total weight of garments.

MANAGEMENT NOTES

Effects of Price Changes

THE WHOLE SUBJECT of price is highly controversial, but there can be no argument with the axiom, "Look before you cut."

Neither of the two price charts given here reflects the situation in any specific cleaning plant. The tables have been prepared merely to show the effects of changed prices under certain assumed conditions. In this respect the information is applicable from a theoretical viewpoint to any plant in the country.

Price Chart 1

Most cleaning plants are laid out to produce a certain number of pieces or pounds per week regardless of price charged. The first table reflects the results of reduced prices in a plant equipped to handle 1,000 pieces per week at prices averaging $1 per piece.

This "base situation" is recorded in the first line. Column A sets up the various assumed piece prices. Column B reads 1,000 pieces all the way through since the plant is operating at full capacity irrespective of retail charges. Column C reveals the plant's reduced income in dollars while Column D shows identical reductions in percentages. Columns E, F and G point out how reduced prices swell productive labor costs with three different percentages taken as the base.

It is assumed that both quality and wage rates remain stationary. Under these circumstances, if an operator has a productive labor cost of 30 percent at $1 prices, he pays out 30 cents to produce each piece. Furthermore, he continues to pay 30 cents per piece no matter what he charges the customer. While the actual lump sum in dollars paid out each week is the same in every case, the labor cost mounts percentage-wise in relation to the decreasing cash coming in.

Price Chart 2

Approaching reduced prices from a different viewpoint, the second table shows the possible effects of attempting a uniform dollar volume at lowered prices per piece.

Line one, again, is the base—a plant handling 1,000 pieces per week at an average retail charge of $1 per piece. Column A establishes the assumed prices. Column B is the same in every case since the table is set up on the assumption that an attempt is being made to maintain weekly income at $1,000. Column C reports the increasing number of pieces needed to retain the same volume in sales.

Price Chart 1

A	B	C	D	E	F	G
Price per piece	Pieces per week	Sales per week	% Decrease in weekly sales below $1 prices	If productive payroll is now 25%	30%	35%
				At reduced prices productive payroll will become		
$1.00	1,000	$1,000	....	25.0%	30.0%	35.0%
.90	1,000	900	10%	27.7%	33.3%	38.8%
.80	1,000	800	20%	31.2%	37.5%	43.5%
.70	1,000	700	30%	35.7%	42.5%	50.0%
.60	1,000	600	40%	40.6%	50.0%	58.3%
.50	1,000	500	50%	50.0%	60.0%	70.0%

Price Chart 2

A	B	C	D	E	F	G	H	I
Price per piece	Weekly sales in dollars	Pieces per week	Percentage of increase in pieces above 1,000	Man-hours required	If productive payroll is now 25%	30%	35%	Percentage of costs to be allotted to supplies
					At reduced prices productive payroll will become			
$1.00	$1,000	1,000	.....	300.0	25.0%	30.0%	35.0%	7.0%
.90	1,000	1,112	11.2%	333.6	27.8%	33.3%	38.9%	7.7%
.80	1,000	1,250	25.0%	375.0	31.2%	37.5%	43.7%	8.7%
.70	1,000	1,429	42.9%	428.7	40.7%	42.8%	50.0%	10.0%
.60	1,000	1,667	66.7%	500.0	41.6%	50.0%	58.3%	11.6%
.50	1,000	2,000	100.0%	600.0	50.0%	60.0%	70.0%	14.0%

Column D interprets increased pieces required in terms of percentages. Note that while a drop from $1 per piece to 80 cents per piece is a cut of only 20 percent in price, the added number of pieces needed is rated at 25 percent. This is explained by the fact that, while additional pieces are being brought in to maintain $1,000 weekly sales at reduced prices, all of this new business produces 20 cents per piece less than do pieces selling at $1. Consequently, the percentage necessary in increased orders will always be greater than the actual percentage of the price cut. Finally, as shown in the last line, a 50 percent reduction in price demands a 100 percent rise in the number of pieces.

Column E records the number of man-hours required to produce certain dollar volumes at various piece prices. Columns F, G and H show the effect on the productive payroll.

Column I reports the percentages of costs which must be allotted for supplies to process the heightened piece volume while dollar volume remains fixed. Here, again, it is supposed that quality of the work and wage rates do not fall off with the declining prices.

It is further assumed that the plant produces 1,000 pieces per week at maximum efficiency. Consequently, the increased pieces required can be processed only by hiring new help. In this case, the actual amount paid out to labor climbs while the number of dollars received from the customers remains fixed.

Volume-Profit Relationship

WHAT COUNTS at the end of the year are the actual dollars in your pocket, regardless of what percentage of sales or invested capital they represent. That's what a man has to live on and have fun on. Percentages tell him how efficient his operations are, which only makes him mad.

The table given here shows how profit percentages must change on a fluctuating volume to enable a plantowner to maintain a steady dollar income. If his volume is dropping it indicates the point at which he must hold his costs. With increasing volume it tells how much his costs may be permitted to increase and still provide him with the same number of dollars at the end of the year.

Percentage increase or decrease in volume	Profit percentage necessary to hold dollar income	
	A	B
150	9.5	4.9
140	10.3	5.2
130	11.1	6.1
120	12.2	6.9
100 starting point	15.0	7.5
90	17.0	8.2
80	19.5	9.5
70	23.0	11.0
60	27.7	13.2
50	35.3	16.3

In this chart two percentages (15 percent and 7½ percent) were selected merely as examples of the effects of volume changes on the profit. If the dollar profit equals 15 percent of the current volume, then Column A shows the decrease in percentage to total volume that this dollar volume represents as the dollar volume increases. Likewise, it shows the increase in percentage of sales represented by this dollar profit when total sales decrease. If the current profit equals 7½ percent of sales, a similar relationship is indicated in Column B.

For those who wish to toy with such figures, here is the formula for estimating percentages of sales necessary to maintain dollar profits:

1. Set down percent of sales at start as decimal 0.15
2. Add number 1 (1 plus .15) 1.15
3. Multiply by percentage change in volume (10% = .10) .. 0.115
4. Subtract from number 1 (1 − .115) if volume decreased .. 0.885
5. Divide into starting percentage (.15 ÷ .885) 0.17
   or 17 percent profit to be maintained
4. If volume increased, add .115 to number 1 ..... 1.115
5. Divide into starting percentage (.15 ÷ 1.115) 0.122
   or 12.2 percent to be maintained

Break-Even Charts

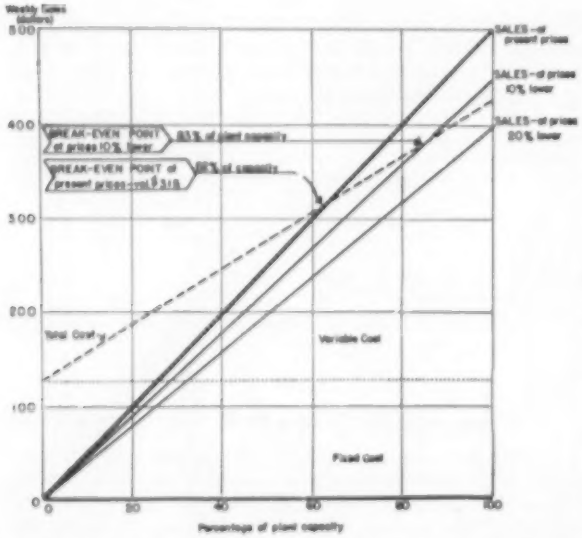
A CUT IN PRICES can be a risky proposition. A break-even chart shows how much additional volume a price reduction must bring in to keep a plant in the black. The sample chart shows that a 10 percent price cut for this small cleaner would require a volume equal to 83 percent of his plant capacity to break even, whereas only 62 percent of capacity was required at the former price level.

To make your own chart you must know:

1. Physical capacity of your plant.
2. Potential sales income at capacity operation.
3. Amount of fixed costs (costs which do not fluctuate with volume, such as rent, insurance, depreciation, taxes, executive, supervisors' and office salaries, etc.).
4. Ratio of variable costs (costs which vary according to volume being processed) to sales income, expressed as a percentage.

Then a chart is ruled off, as shown, with dollar sales on the vertical axis, percentage of plant capacity on the horizontal. At 100 percent capacity the small plant for which the break-even chart is illustrated can handle $500 weekly. The heavy diagonal sales line drawn from corner to corner makes it possible to translate sales into capacity (or the reverse) at any point on the line.

Fixed costs amount to $125, so a dotted line indicating



CUT PRICE CUTS PROFITS according to break-even chart showing effect on profits of 10-percent cut across the board as compared to 20-percent cut. The 20-percent cut pushes the break-even point above plant capacity! Remember "plant capacity" means pounds or pieces plant can handle. If another cost line were drawn from 100 at left and parallel to broken line, it would represent 20 percent reduction in cost, which would be a fantastic achievement. Yet it would intersect the sales line (at 20-percent price reduction) exactly at the edge representing plant capacity, indicating that the plant still would only break even

fixed costs was drawn straight across the graph from the $125 point on the dollar sales axis. Variable costs amount to 60 percent of sales volume, so at 100 percent capacity they would total $300. Our total cost at full capacity is $300 plus $125. The dash line on the chart represents this cost.

The intersection of the total sales line and the dash line is the break-even point, which works out to be $315 or 62 percent of capacity.

If the operator were to cut prices 10 percent across the board, the break-even point would move up to $373.50, or 83 percent of capacity. A 20 percent cut in prices would clearly make it impossible for the plant to break even without increasing capacity or drastically lowering fixed costs.

A good break-even chart will also indicate profits. Profit on the chart is the distance between the total cost and sales lines above the break-even point. If we assume that the plant represented by this chart is doing $400 a week at present prices, its profit (difference between cost and sales) would be about $33. If it operated at full capacity with a 10 percent price cut, weekly profit would amount to less than $20.

Sample Production Standards

PRODUCTION ESTIMATES are essential in deciding how much equipment to purchase and how many people to employ, and in setting up an efficient layout.

The accompanying chart is an average of figures taken from a number of plants. As such the figures should be considered *only as tentative production standards.*

Plant standards vary in terms of quality, type of equipment, layout, level of skilled help, management efficiency and other phases of production. For that reason it is difficult to set a standard of production applicable to all plants. However, management should not hesitate to use the chart as a guide to intelligent production planning.

A good example of the effect equipment has on production can be seen in the drycleaning room estimate. This runs from 60 to 263 pounds. The wide spread, in this case, is due to different capacities of drycleaning rooms.

Another example of wide spreads is in the listing, "jackets, wool, ladies', touch-up." The spread, 30 to 90 pieces, reflects the varying quality standards of different plants. On the one side the touch-up would be taking longer than the steaming, whereas by giving the slightest touch-up possible, one girl can handle volume for two steamers with ease.

OPERATION	ESTIMATED PRODUCTION
Marking	145–150
Marking and invoicing	50–60
Classification	167
Inspection	250
Assembly	120
Bagging and shipping	100
Inspection, assembly, bagging and shipping	28
Drycleaning	60–263
Wetcleaning	15–25
Silk spotting	17–27
Wool spotting	80–110
Free sewing	10–47
Measuring garments	20–34
Stretching dresses	20–25
Stretching trousers	30
Silk pressing, plain dresses	10
Wool pressing, dresses	15
Wool pressing, suits	8
Dresses, silk, plain; steamer, puff irons, press	22
Dresses, silk, to 8 pleats; sleever, puff irons, press	11–13
Dresses, silk, as they come; hand	6
Dresses, as they come	12
Dresses, silk, under 9 pleats; machine	7–12
Dresses, silk, over 8 pleats; machine	4
Dresses, silk; puff iron, press, hand iron	28–32
Dresses, silk, plain, wetcleaned; hand	6
Dresses, silk, fancy, wetcleaned; hand	4
Dresses, silk, sunburst	4
Dresses, silk, children's plain or fancy	9–11
Evening and dinner gowns, plain, silk	2–7
Evening gowns and wedding dresses, fancy, silk	1–4
Dresses, wool, plain or pleated; machine	21
Dresses, wool, plain or pleated; steamer, utility	21

OPERATION	ESTIMATED PRODUCTION
Dresses, wool, under 9 pleats; hand	11–17
Dresses, wool, over 8 pleats; hand	7
Skirts, silk, to 8 pleats; machine	17–33
Skirts, silk, over 8 pleats; machine	11–13
Skirts, silk, plain; machine	33–40
Skirts, silk, to 18 pleats	20
Skirts, silk, 18 pleats or sunburst	3–6
Skirts, wool, to 8 pleats	20
Skirts, wool, over 8 pleats	10–12
Blouses, silk, plain	13–25
Blouses, silk, fancy	5–17
Blouses, silk, plain; hand	6–10
Blouses, silk, fancy; hand	4–7
Jackets, silk, plain	25–26
Jackets, silk, fancy	14
Jackets, boleros, silk	15–20
Jackets, silk; hand	8–17
Jackets, wool ladies'	19–30
Jackets, wool, ladies'; steamer	41–45
Jackets, wool, ladies'; touch-up	30–90
Jackets, canvas	6
Trousers, wool; machine	21
Trousers, wool; topper	30–50
Trousers, wool; legger	36–50
Trousers, wool, drycleaned	17–40
Trousers, wool, wetcleaned	11
Trousers, wool, wetcleaned, top	20–33
Trousers, wool, wetcleaned, leg	33
Slacks, silk, top	20
Slacks, silk, leg	20
Slacks, wool, ladies', top	40
Slacks, wool, ladies', leg	28
Suit coats; steamer, touch-up	17
Suit coats; machine	13–35
Vests	35–100
Top and overcoats; machine	13–36
Top and overcoats; steamer	30–67
Top and overcoats; touch-up	40–67
Raincoats and reversibles	5–20
Shirts, silk	9–17
Shirts, men's sports	12–22
Shirts, silk, ladies'	20
Shirts, long-sleeve; hand	4
Shirts, short-sleeve; hand	5
Shirts, plain	13–20
Shirts, wetcleaned	10
Sweaters	25–46
Scarfs, as they come	33–50
Ties, as they come	56–60
Belts, silk	75–90
Belts, wool	90–100
Robes, quilted	5–6
Robes, plain, and housecoats	11–13
Slips	15–20
Bathrobes, wool	12–20
Hats, caps	50
Sleeves; steamed	40
Mixed wools	20
Snowsuit jackets	20
Snowsuit legging	30
Snowsuits, one-piece	12
Children's knickers, leggings	25–33
Breeches	33
Suit-coat linings; machine	56–100
Suit-coat linings; hand	31–35
Trousers, pockets and seams, wetcleaned	36–50
Vest linings	52–100
Coats, half-lined, wetcleaned	25
Coats, full-lined	18
Jacket linings, ladies'	21
Coat linings, children's, as they come	27
Topcoat linings, men's; hand	27
Coat linings, women's; hand	14–25
Suit-coat linings, women's; hand	30
Coat linings, women's; machine	26
Coat linings; steamer and sleever	25–26
Jacket sleeve linings, women's	75
Linings, loose	46
Linings; machine	50
Open seams and press pockets	29–32
Uniform, dress, top; hand	9
Uniform, dress, bottom; machine	35
Ski jackets, gabardine, lined	10
Choir gowns	10
Tiebacks	100
Valances	9
Drapes, per panel	16–25
Drapes, unlined	15
Davenport covers	5–7
Chair covers	6–9
Cushion covers	33–45
Bedspreads	10
Curtains, per panel	22–23
Curtains, ruffled	9–10
Tablecloths, lace	10–33
Comforters, blankets	10–33
Scatter rugs, scarfs	33

Wage Incentives

Purposes of Wage Incentives

A. To enable workers to earn larger total or "take home" pay.

B. To obtain for management sufficiently increased production to maintain or lower *unit costs.*

C. To correct wage injustices by keeping wage payments in direct proportion to output—on the principle that "no wages are too high if earned."

Main Obstacles to Installation and Smooth Operation

A. Lack of standardization of articles to be processed.

B. Dissimilarity of methods among different plants.

C. Variety in type and kind of equipment.

D. Difficulties of explaining and making clear to employees purposes and rewards of plan.

Essential Preliminaries

A. Improvement in plant equipment and methods.

B. Efficient layout and workflow.

C. Measurement, by time studies or otherwise, of normal output of all types of work after putting equipment and process on improved and standardized basis.

D. Job Analysis—the analysis and listing of all tasks included in any specific job.

E. Job Evaluation—establishing relative values of different jobs in drycleaning plant.

F. Selection of personnel.

G. Aptitude testing.

H. Training.

I. Setting up of organization chart, clearly defining lines of authority and responsibility.

J. Preparation, in written form, of standard practices and methods.

Further Details of Preliminaries

A. Improvement of methods based on type and grade of service.

Examples: Base price 49 cents—high production standards in finishing and packing.

Modified inspection.

Base price $1.50—lower production standards.

Rigid inspection to maintain high quality workmanship, finishing, packaging. Greater emphasis on employee selection, individual skills.

Both quality and quantity standards should be clearly defined, put in writing before installation of wage incentive plan.

(Continued on page 126)

Cost Percentages for the Year 1953

Analysis of Percentage Costs According to Sales Volume

Annual Sales	Under $25,000	$25,001 to $40,000	$40,001 to $60,000	$60,001 to $80,000	$80,001 to $100,000	$100,001 to $150,000	$150,001 to $300,000	Over $300,000
Number of Plants Reporting	34	31	49	48	28	40	37	27
Average Base Price	$1.12	$1.14	$1.18	$1.22	$1.18	$1.25	$1.28	$1.32
SALES DISTRIBUTION	%	%	%	%	%	%	%	%
Call and Delivery	40.66	30.37	42.81	51.64	38.57	44.58	51.49	51.91
Branch Stores & Agencies	—	4.18	9.76	7.16	11.87	8.90	20.75	35.87
Plant Retail	59.34	65.21	40.79	35.84	42.51	35.82	20.93	9.13
Wholesale Work	—	0.24	6.64	5.36	7.05	10.70	6.83	3.09
TOTAL SALES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTIVE EXPENSE								
Productive Labor & Outside Work	33.99	35.44	36.07	35.01	32.41	32.99	30.02	32.36
Productive Supplies	11.02	9.67	9.02	8.30	7.88	8.48	7.86	7.32
Power Plant	6.99	5.04	4.78	3.93	4.09	3.85	3.32	3.45
Building Overhead	4.41	5.12	4.01	3.58	3.23	2.95	2.91	2.49
Machinery Overhead	5.70	4.80	4.63	4.40	4.58	3.71	4.16	3.84
Indirect Overhead	1.74	2.96	3.92	4.82	4.59	6.37	5.83	5.71
TOTAL PRODUCTIVE EXP.	63.85	63.03	62.43	60.04	56.78	58.35	54.10	55.17
SALES & DISTRIBUTION								
Delivery:								
Wages & Commissions	1.02	3.56	5.80	9.01	9.79	10.03	11.51	12.20
Equipment Expense	0.96	0.93	1.39	1.83	1.50	2.80	3.10	3.02
Store Salaries & Expense	1.73	3.13	5.20	3.79	4.09	5.51	8.02	9.00
Sales Promotion Expense	2.86	2.78	2.53	2.56	3.50	3.18	3.30	4.08
Claim Adjustments	0.58	0.70	0.20	0.50	0.51	0.50	0.40	0.39
TOTAL SALES & DIST. EXP.	7.15	11.10	15.12	17.69	19.39	22.02	26.33	28.69
OFFICE & ADMINISTRATIVE								
Office Salaries & Expense	2.08	2.61	2.49	3.71	2.40	3.30	4.98	4.21
Other Exp. (Off. & Admn.)	3.06	2.73	3.28	1.36	1.60	1.38	1.71	2.70
Executive Salaries	2.04	4.27	5.28	7.64	7.21	7.73	5.71	4.03
TOTAL OFFICE & ADMIN.	7.18	9.61	11.05	12.71	11.21	12.41	12.40	10.94
Total Expense	78.18	83.74	88.60	90.44	87.38	92.78	92.83	94.80
Net Profit Before Taxes	21.82	16.26	11.40	9.56	12.62	7.22	7.17	5.20

Source—National Institute of Drycleaning

(Continued from page 125)

B. Plant layout, workflow, selection and arrangement of equipment. Developed by consideration of owner, manager, superintendent and skilled engineers either from inside plant or outside specialists.

An integral and vital part of the installation of an incentive plant is the work which the plantowner and his supervisors and engineers do to make every motion of every employee easier.

Examples: Shorten distance from which presser must reach for work and extend arm to hang finished garment on line. If press head suddenly tightens up, extra foot-pound of pressure required to bring it down mounts up to tons of extra effort if repeated all day long.

Five-foot girl who must hang garments on rack made for five-foot-six employee has exerted hundreds of foot-pounds of additional lift at end of day. Prompt provision of platform on which bagger or assembler may work will increase output, prevent dissatisfaction.

If each task and motion is made easier, it is possible to improve quality while greatly increasing speed of production.

C. Time studies, or measurement of output at normal speed, made with quality standards already established in mind.

D. Job Analysis. Prepared with cooperation of supervisors and workers.

E. Job Evaluation. Preparation with cooperation of supervisors and workers. Essential for establishment of basic wage rates.

Based on (1) Physical qualifications and working conditions.
(2) Mental qualifications and education.
(3) Specific job skill and related experience.
(4) Responsibilities and personality traits.

Example: Janitor—in many plants most important of non-executive workers, with possible exception of spotters and silk finishers. Greater responsibilities, broader variety of duties than assembler. On other hand, assembler requires clerical ability, more accurate recognition of figures, letters and handwriting than janitor. Wool presser might be illiterate—need only count own output. But janitor must read and understand notes left for him by plant manager, superintendent and others.

F. and G. Aptitude testing necessitated by failure of many employees to recognize own natural abilities.

Examples: Employee who cannot remember four-digit number for one minute unsuited to assembling.

Employee inaccurate in counting and recording numbers, figures and classifications unfitted for the job of marker. Articulate, persuasive, intelligent, sensitive employee unhappy and possibly promoter of discontent on repetitive job; on sales force or otherwise dealing with public may be of great value to employer and personally contented.

Sectional Analysis of Percentage Costs for the Year 1953

Section	I New England	II Middle Atlantic	III East North Central	IV West North Central	V South Atlantic	VI East South Central	VII West South Central	VIII Mountain	IX Pacific	Average
Number of Plants Reporting	34	34	71	41	33	23	28	21	29	314
Average Base Price	$1.14	$1.32	$1.29	$1.23	$ .95	$1.00	$1.01	$1.23	$1.46	$1.18
SALES DISTRIBUTION	%	%	%	%	%	%	%	%	%	%
Call and Delivery	51.18	43.53	46.19	38.84	54.83	39.15	33.24	44.87	48.14	44.44
Branch Stores & Agencies	14.03	11.60	12.62	15.25	5.19	21.44	26.11	1.80	16.10	13.79
Plant Retail	34.38	40.74	36.82	43.43	34.20	38.81	35.53	51.26	21.83	37.44
Wholesale Work	0.41	4.13	4.37	2.48	5.78	0.60	5.12	2.07	13.93	4.33
TOTAL SALES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTIVE EXPENSE										
Productive Labor & Outside Work	35.57	33.42	34.06	33.66	33.72	35.47	35.19	34.67	34.29	34.45
Productive Supplies	9.69	7.71	8.68	8.66	10.87	10.66	9.18	8.92	6.39	8.97
Power Plant	5.71	4.20	4.50	4.60	4.57	4.07	4.64	4.41	3.23	4.44
Building Overhead	3.69	3.89	3.72	3.63	3.04	4.40	4.67	3.80	3.05	3.76
Machinery Overhead	5.36	3.76	4.67	4.31	4.25	4.93	4.90	4.25	4.45	4.54
Indirect Overhead	4.97	5.58	4.66	3.53	4.58	3.49	3.77	3.39	4.72	4.27
TOTAL PRODUCTIVE EXP.	64.99	58.56	60.29	58.39	61.03	63.02	62.35	59.44	56.13	60.43
SALES & DISTRIBUTION										
Delivery:										
Wages & Commissions	12.22	11.16	10.54	11.33	10.55	10.90	9.86	9.92	12.15	10.96
Equipment Expense	1.29	1.57	1.99	1.00	1.50	1.57	0.80	1.01	1.97	1.58
Store Salaries & Expense	2.41	2.04	2.87	1.18	3.81	2.02	0.94	1.53	4.10	2.32
Sales Promotion Expense	2.40	2.50	2.00	1.78	2.35	2.12	1.75	1.99	3.55	2.27
Claim Adjustments	0.37	0.56	0.49	0.51	0.60	0.72	0.33	0.30	0.87	0.37
TOTAL SALES & DIST. EXP.	18.69	17.83	17.89	15.80	18.81	17.33	13.68	14.75	22.64	17.50
OFFICE & ADMINISTRATIVE										
Office Salaries & Expense	2.06	1.94	2.04	1.01	1.32	1.81	0.72	1.90	2.84	1.74
Office Expense (Off. & Admn.)	2.73	1.24	1.10	1.00	1.44	1.92	1.50	3.42	2.04	1.82
Executive Salaries	7.00	10.80	6.34	7.84	9.47	7.10	9.97	7.13	6.53	8.02
TOTAL OFFICE & ADMIN.	11.79	13.98	9.48	9.85	12.23	10.83	12.19	12.45	11.41	11.58
Total Expense	95.47	90.37	87.66	84.04	92.07	91.18	88.22	86.64	90.18	89.51
Net Profit Before Taxes	4.53	9.63	12.34	15.96	7.93	8.82	11.78	13.36	9.82	10.49

Source—National Institute of Drycleaning

Section I: New England—Conn., Maine, Mass., N. H., R. I., Vt.
Section II: Middle Atlantic—N. J., N. Y., Pa.
Section III: East North Central—Ill., Ind., Mich., Ohio., Wis.
Section IV: West North Central—Iowa, Kans., Minn., Mo., Neb., N. D., S. D.
Section V: South Atlantic—Del., D. C., Fla., Ga., Md., N. C., S. C, Va., W. Va.
Section VI: East South Central—Ala., Ky., Miss., Tenn.
Section VII: West South Central—Ark., La., Okla., Texas.
Section VIII: Mountain—Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo.
Section IX: Pacific—Cal., Ore., Wash.

H. Training supplemented by definite upgrading program. Most employees work more contentedly and with better results if entire organization operates on principle of promoting capable people as rapidly as possible.

Establishment of Rates Under Wage Incentive Plan

1. Base wage rate based on established normal output—basic task which employer has right to expect and which employee has duty to perform.

Base rate usually paid if employee regularly averages 75, 80 or 85 percent of normal output.

2. Bonus, in addition to base wage rate, for production in excess of basic performance rate.

a. Payment of graduated bonus, beginning with small bonus when about 85 percent of standard is reached, bonus rate increasing until it reaches top limit of production.

Example: If wool pressers can easily press 10 suits per hour, that becomes basic performance rate. Most plans would begin to pay small bonus at about 8½ suits per hour, with bonus rate increasing as production goes above 10 per hour until it reaches top production rate at which drycleaner may safely operate without deterioration of quality.

b. Controversial alternative—proportionate payments per unit of production all through incentive setup.

Example: If presser receives 60 cents per hour and his task or performance rate is 10 suits per hour, labor cost is 6 cents per suit. But if by installation of new and better equipment, presser is enabled to turn out 15 suits per hour of equivalent quality and with no more physical exertion, plantowner-investor should have reward for providing those facilities.

Arguments in such cases can usually be resolved to satisfaction of all parties by employment of outside industrial engineer with good reputation in field.

3. Establishment of production limit to protect standards of quality.

4. Merit rating. Differences in basic rate based on employee's day-to-day performance, attendance, cooperativeness or general attitude, and other pertinent factors, tangible and intangible. Records to be kept on form obtainable from any industrial engineering firm. Periodic review at regular intervals. *(Continued on page 128)*

(*Continued from page 127*)

Administration of Wage Incentive Plan

1. Record keeping. Complete facilities essential for recording of employee output.
   a. Frequent recording of individual production—at least once per hour; many plants record production every half hour.
   b. Accessibility. Records easily seen and checked by employee.
2. Supervision. Operation of plan places much greater burden on supervisors. Supervision must be constant, tactful, firm, alert for improvement of working conditions and equipment.

The secret of successful wage incentive plan operation is constant vigilance.

Benefits of Wage Incentive System

Most employees, especially on repetitive jobs, work at about 66 percent of their actual capacity. If they are brought up to 100 percent of their own abilities, and if they and their employers benefit proportionately, this will amount to a 50 percent increase in output.

The difference between drycleaning *plants* and the neighborhood press shops or tailor shops consists in the utilization of machines by the plantowner. Therefore, under the wage incentive system the drycleaning plant operator gets an extra benefit from the fact that his machines as well as his employees are used at more nearly their standards of capacity.

Actually, however, when bonuses are paid for extra production and these bonuses are graduated to pay slightly more per unit above 100 percent, the result from the better employees is usually an output approximately 120 percent of capacity. On such a regular premium production, the employee can often increase his earnings by 25 percent or more.

The whole purpose of the wage incentive plan is to encourage and pay the employee for working steadily at his or her best (yet comfortable) rate of work. In fact, the chief reward to the plantowner in the establishment of wage incentives is to obtain a standard hour's production from his employees each hour of the day. If that aim only is achieved, it is well worth all of the expense, paper work and supervision required.

Initial Supplies

THE FOLLOWING LIST represents the minimum initial supplies required by the new drycleaner who is opening his own plant. Based on the recommendations of one of the country's largest jobbers, quantities are kept low in every case to reduce the original investment.

Cleaning Room

Charged soap	30 gallons
Filter aids (diatomaceous earth and/or sweeteners)	200 pounds
Activated carbon	25 pounds
Filter screen brush	1
14-quart pails	2
Bristle benzene-soap brushes (for prespotting and handbrushing with dry solvent)	2
Soap strength test kit	1
Fatty acid test kit	1

Wetcleaning Supplies

Bristle brushes, approximately 2 by 5 inches	2
Scouring brush	1
Wetcleaning soap	25 pounds
Hydrosulphite of soda	1 pound
Chloroform substitute	1 gallon
Retouching dye pads	1 set
Drycleaning sour	10 pounds

Spotting Aids

Ammonia, 26°	1 gallon
Acetic acid, 28 percent	1 gallon
Glacial acetic acid	1 quart
Oxalic acid crystals	5 pounds
Sodium perborate	5 pounds
Borax	10 pounds
Permanganate of potash	1 pound
Bisulphite of sodium	5 pounds
Standard paint and grease remover	2 gallons
Standard prespotter	2 gallons
Standard ink remover	1 pint
Standard digester	½ pound
Standard lipstick and rouge remover	1 pint
Amyl acetate	1 quart
Combination wet and dry spotter	1 gallon
Eye-dropper bottles	6
Spotting brushes, black and white	1 each
Spatulas (bone scraper)	2
Rust remover (in tube or rubber bottle)	1
Hydrogen peroxide (10 vols. 3 percent)	8 ounces
Cheesecloth	10 yards
Chamois	1
Turkish towels	1 dozen
Spray gun (either compressed air or city water pressure)	1

Finishing Department

Press flannels, cut to size	6
Press pads, cut to size	6
Press pad covers	18
Cover springs	6 cards
Spray guns for presses	2
Stapling machine	1
Staples	5,000
Record Book No. 39	1
Standard sales or receipt books	50
Moth spray	1 gallon
Paradichlorobenzene crystals	5 pounds

Packaging Supplies

Hangers	3,000
Garment bags (suit—36 inches)	1,500
Garment bags (dress—54 inches)	1,500
Mothproof bags (suit)	100
Mothproof blanket bags	100
Dress shields (for hangers)	2,000
Trouser guards	3,000
Pins, common	1 pound
Pins, safety No. 1	20 gross
Pins, safety No. 2	5 gross
Pins, safety No. 3	5 gross
Tags	10,000
Dress boxes (light)	200
Suit boxes (heavier)	100
Curtain boards	1 bundle
Necktie envelopes, boards and bands	200 each
Glove bags	1,000
Hat bags	1,000
Tie boxes	200
Cotton twine	10 pounds
Cellophane ribbon	1 roll
Wrapping paper, 30-inch	1 roll
Wrapping paper, 36-inch	1 roll
Gummed tape	2 rolls
Scotch tape	2 rolls
Paper cutter	1
Scotch-tape dispenser	1

After acquiring experience with various brands and types of products, the young drycleaner will be in a better position to gain the benefits of buying in quantity. The supplies listed here are entirely adequate aiming for an early volume of $300 to $500 a week.

Boiler Efficiency

THE OPERATOR of the average small plant doesn't have the time or money or, in most cases, the know-how to run a series of elaborate tests and go through cumbersome tables to check on his boiler efficiency. He can and should, however, see to it that routine tests are made.

The two principal indications of boiler efficiency are carbon dioxide (CO_2) content and temperature of the flue gas. Generally speaking, the higher the CO_2 content and the lower the flue gas temperature, the more efficient the boiler. Optimum CO_2 content varies with the fuel, but it averages around 15 percent for coal and oil. With natural gas, 10 to 12 percent would be tops. Only in rare cases can the optimum be achieved at all times. If your boiler, firing coal or oil, operates with an 11 percent CO_2 and a flue gas or stack temperature of 450 to 600° F, it will be operating at better than 75 percent efficiency.

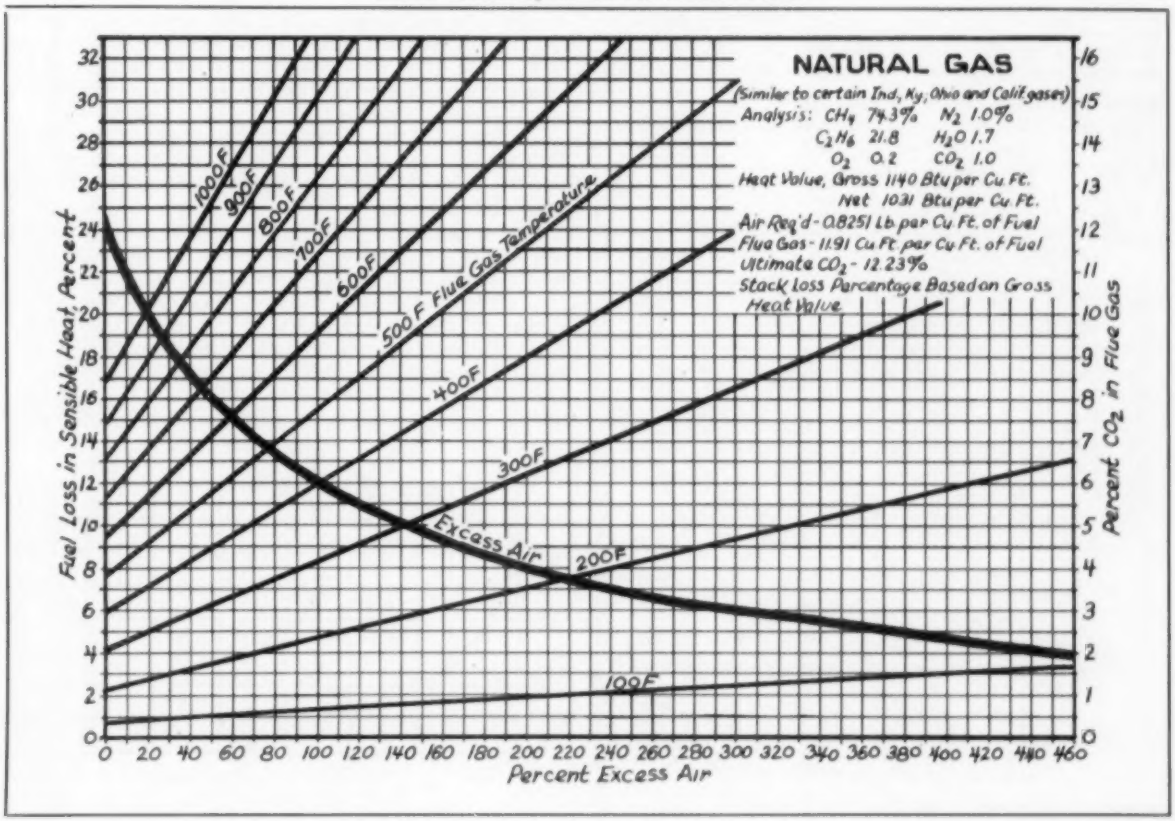
To obtain these readings, two instruments are required. An Orsat analyzer indicates CO_2, carbon monoxide and oxygen content of the flue gas. Simpler types of Orsats measure only CO_2. The other instrument is a flue gas thermometer with a range of 400 to 1000° F. The readings should be taken when the boiler is carrying its heaviest load.

In many cases a local plumber or heating-installation man is equipped to take the required readings. Once the readings are obtained, it is merely a matter of adjusting the firing controls to gain maximum efficiency. It goes without saying that the boiler must be kept clean at all times.

The procedure outlined above should be a part of regular plant maintenance and should be checked at least once a month. A more complete checkup involving such factors as excess air and carbon monoxide should be attended to once a year.

The charts which follow may be used to compute boiler efficiency, given CO_2 content and flue gas temperature.

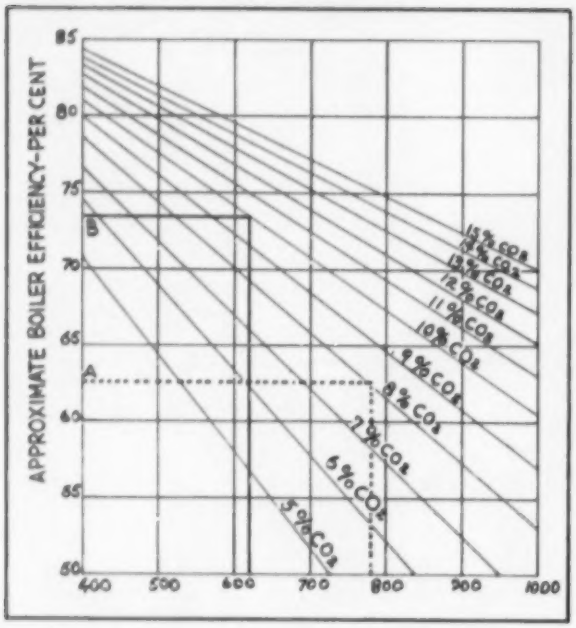
Boiler Efficiency Chart for Natural Gas



Source: Air Conditioning, Heating and Ventilating

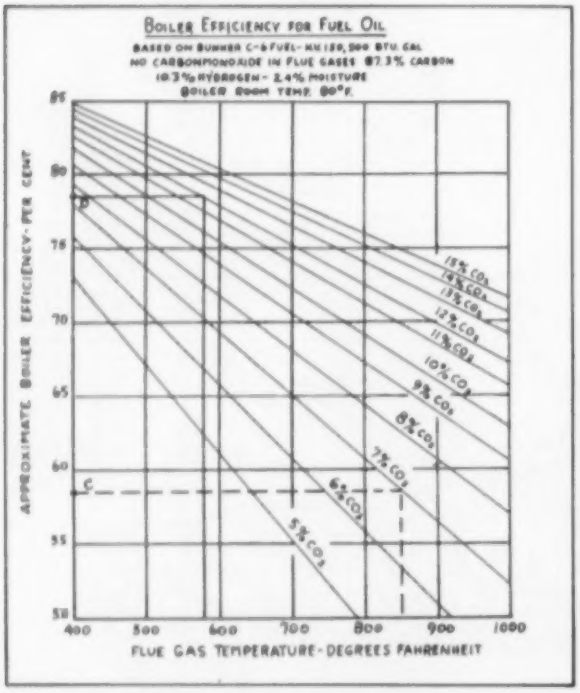
In this chart, fuel loss in sensible heat percent may be interpreted as boiler efficiency. Zero fuel loss would be equivalent to 100 percent efficiency; 10 percent fuel loss to 90 percent efficiency, and so on. Assuming that CO_2 and flue gas temperature are known, read across from right on CO_2 line to intersection of excess air curve. From intersection read straight up or down to intersection of flue gas temperature line. This point, carried straight across to fuel loss axis, indicates fuel loss. Assume that CO_2 percent is 6 and flue gas is 600° F. Reading from right on 6, line intersects excess air curve at about 105. Then, reading straight up to 600° F line, we get a fuel loss of approximately 19.5 percent

Boiler Efficiency Chart for Soft Coal



Based on flue gas temperature and CO_2 content, the chart provides an approximate efficiency rating for coal-fired boilers. To compute the efficiency of an installation with a flue temperature of 620 degrees and CO_2 content of 10 percent, trace up from the 620 point at the bottom of chart to the diagonal line representing 10 percent; intersection gives approximate boiler efficiency rating of 73.5 percent

Boiler Efficiency Chart for Fuel Oil



Flue gas temperature and CO_2 content known, find flue gas temperature on lower scale and follow up to diagonal line designating CO_2 percentage; point of intersection at left gives approximate boiler efficiency. Dotted line "C" illustrates that boiler with flue temperature of 850 degrees and 7 percent CO_2 content will have efficiency of approximately 58.5 percent. Lowering temperature to 580 degrees and increasing CO_2 to 12 percent would bring boiler efficiency up to 78.5 percent as shown by solid line "D"

Steam Temperatures at Various Pressures

Lb. Pressure Per Sq. In.	Temperature °F*	Lb. Pressure Per Sq. In.	Temperature °F*
0#	212°	65#	312°
5	227	70	316
10	239	75	320
15	250	80	324
20	259	85	328
25	267	90	331
30	274	95	335
35	281	100	338
40	287	105	341
45	292	110	345
50	298	115	348
55	303	120	351
60	307	125	353

* Fractional temperatures to nearest integer.

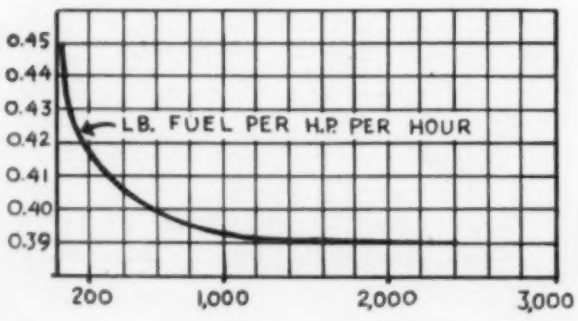
Diesel Fuel Consumption

The accompanying chart plots approximate fuel consumption of various diesels, based on prewar diesel efficiencies.

For instance, if requirements are very small—50 horsepower or even less—figure on a fuel consumption of 0.45 pounds per horsepower per hour with a modern engine. If a 100 hp. diesel is employed, the consumption will be about 0.42 pounds per horsepower per hour. The curve shows that with increase in engine size the fuel consumption improves rapidly from the smallest sizes to 200 horsepower. From 200 to 1,000 horsepower the improvement is less rapid. And from 1,000 to 3,000 horsepower the improvement is very slight; it is practically 0.39 pounds per horsepower per hour for all of the sizes in that range.

To determine the efficiency of any engine size, with any fuel, multiply the B.t.u. value of the fuel per pound by the number of pounds per horsepower per hour and divide the product *into* 2,546.

For example, if the fuel contains 20,000 B.t.u. per pound and requirements call for a 500 hp. engine, multiply 20,000 by (from the chart) 0.40, which gives 8,000 as the product. Now divide 2,546 by 8,000 and it will be found that the engine will have an efficiency of 31.8 percent, which is a high efficiency as compared with most engines of other types. This means that 31.8 percent of the heat contained in the fuel will be converted into work. Even at 0.45 pounds of fuel per horsepower per hour, other conditions being the same, efficiency will be 28.3 percent.



Weight of Oils and Solvents

Because the weights of different oils and solvents vary considerably, there may be uncertainty as to the number of pounds in a given container. By use of this chart you

can easily determine the weight of any number of cubic feet or number of gallons of any of the common oils and solvents.

For example, what is the weight of 20 cubic feet of diesel engine oil?

The dotted lines drawn across the chart shows how the problem is solved. Connect the 20 in column A with the point in column D corresponding with "diesel engine oil." The intersection with column C gives the weight as about 1,060 pounds. If the quantity of oil is given in gallons, use column B instead of column A.

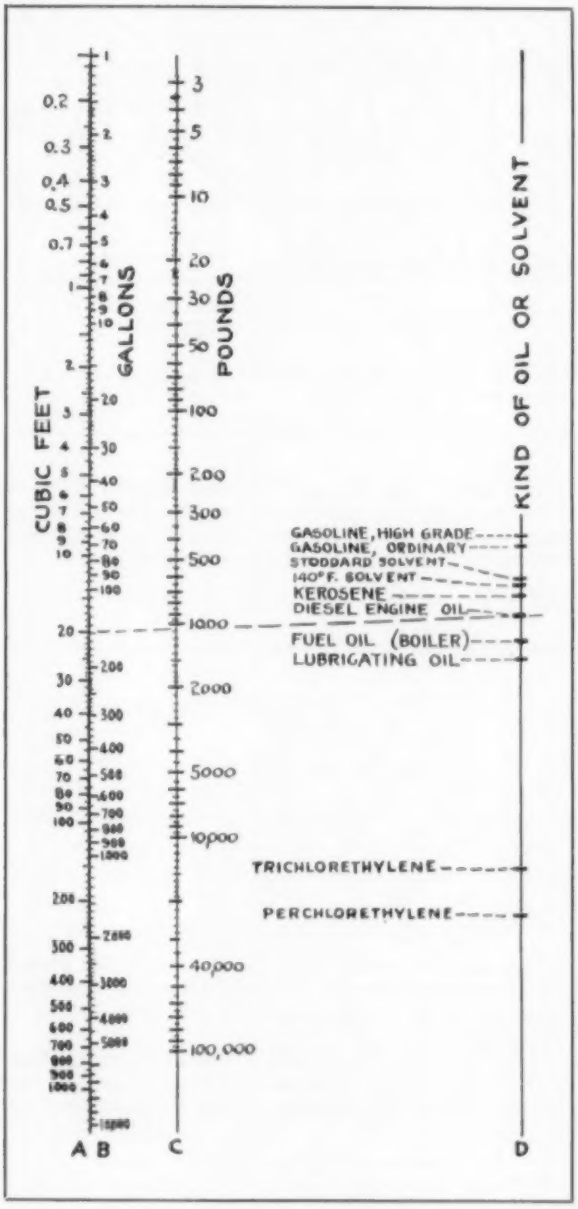
Inversely, if the number of pounds is known and the kind of oil or solvent is known, a line through the known points gives us an intersection in columns A-B which tells the desired volume.

Columns A-B can also be used as a conversion scale. Thus, for example, 20 cubic feet are equivalent to almost 150 gallons. Or, 1,000 cubic feet are equivalent to about 7,500 gallons, and so on.

The range of the chart is great enough to take care of most problems. The weight covers all quantities between 3 pounds and 100,000 pounds. Should quantities be smaller or greater, they can be computed by simply shifting the decimal point. Thus, for instance, the dotted line drawn across the chart through the 20 cubic feet can also tell us that 20,000 cubic feet will weigh 1,060,000 pounds.

Should you prefer to make computations in longhand or on a slide rule, this chart is based on the following weights per gallon:

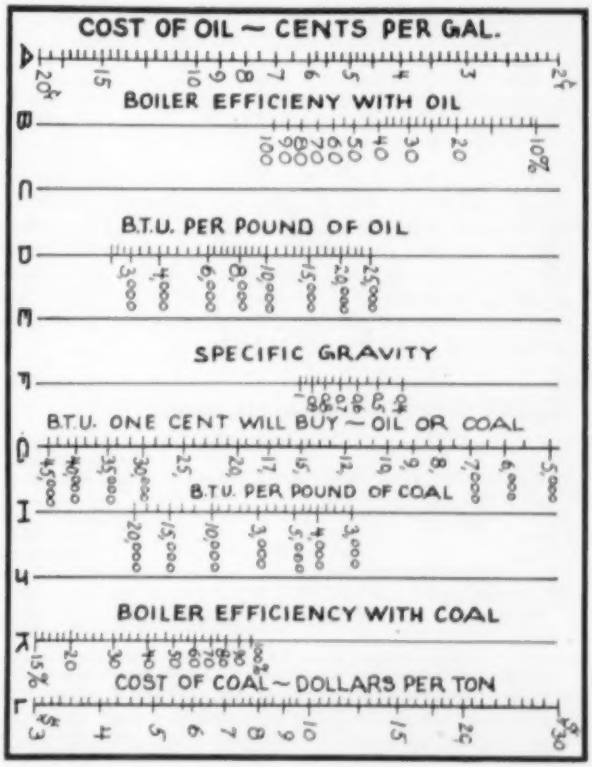
Gasoline, high grade	6.00 lb. per gal.
Gasoline, ordinary	6.12 lb. per gal.
Stoddard solvent	6.58 lb. per gal.
140°F solvent	6.65 lb. per gal.
Kerosene	6.81 lb. per gal.
Diesel engine oil	7.09 lb. per gal.
Fuel oil	7.50 lb. per gal.
Lubricating oil	7.78 lb. per gal.
Trichlorethylene	12.3 lb. per gal.
Perchlorethylene	13.55 lb. per gal.



Coal and Oil Costs Compared

The accompanying chart was developed to assist in checking the cost of coal and oil per B.t.u.

To use the chart, draw straight line beginning at oil cost (A) through boiler efficiency (B) to C. From that point on C draw another straight line through B.t.u. (D) to E. From that point on E, draw line straight through specific gravity (F) to G. Point where line hits G is B.t.u. one cent of oil will buy. (*Continued on page 132*)

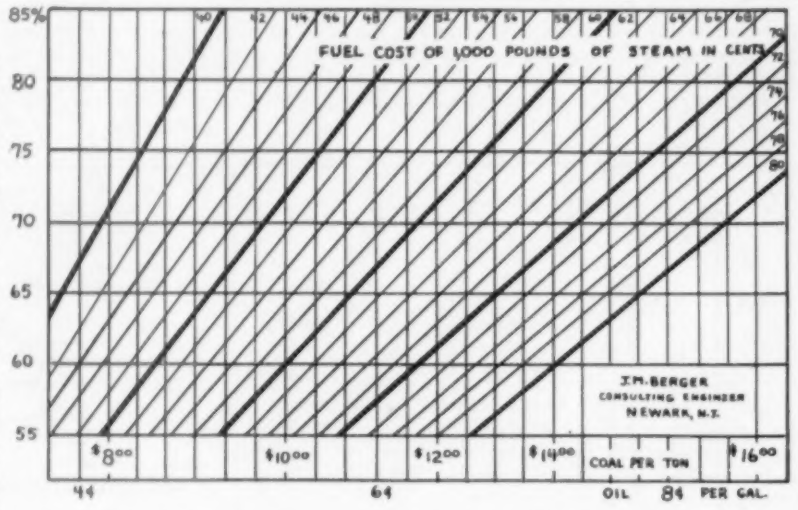


(Continued from page 131)

Follow same procedure for coal. Draw straight line beginning at cost (L) through efficiency (K) to J. From intersection on J draw another straight line through B.t.u. per pound (H) to G. Point on G is number of B.t.u. one cent's worth of coal will buy. Fuel which rates the highest on line G will be most economical under the conditions shown. Other factors such as space and labor required should be considered separately.

Steam Cost Chart

Chart indicates the cost of steam at varying prices for coal and oil with different over-all operating efficiencies. From cost of oil or coal at the bottom of chart trace up to point of assumed boiler efficiency on the scale at the left. The point of intersection on the slanting line will show fuel costs per 1,000 pounds of steam and can be read to nearest cent or to a tenth of a cent by proportion. For example, a plant using No. 6 Bunker C oil selling at 5.2 cents per gallon with a boiler of 65 percent efficiency will be paying 53.4 cents per 1,000 pounds of steam. Improving the boiler efficiency to 75 percent will cut steam cost to 46 cents, resulting in a saving of 7.4 cents per 1,000 pounds. Or a 70-percent-efficient boiler burning 14,000 B.t.u. coal selling at $10 per ton will deliver 1,000 pounds of steam at 51 cents per thousand pounds. This chart may be used in plotting the comparative costs of coal and oil or for figuring possible savings from stokers and combustion controls. If fuel costs go higher than shown on chart use one half fuel cost and multiply resulting cost of steam by 2



Based on 14,000 B.t.u. per pound of coal and 150,000 B.t.u. per gallon of oil, steam pressure 105 pounds gauge, moisture 2%, feed water 205° F

Losses From Boiler Scale

Character of scale	Thickness	Loss of efficiency	Coal wasted from every ton of coal fired
Hard	1/50"	5.4%	100 lbs.
Hard	1/32"	7.2%	140 lbs.
Hard	1/25"	9.3%	180 lbs.
Hard	1/16"	12.6%	220 lbs.
Hard	1/9"	15.9%	320 lbs.

To combat loss in efficiency and excessive fuel costs resulting from boiler scale, some plants remove all scale-forming elements from the water before it is fed to the boiler. This is the ideal method but not always practical. Under other circumstances, feed water is treated with compounds changing the elements in the water from those quick to attach themselves to the boiler to those that remain in solution or form a soft sludge that can be blown out.

Sizes for Boiler Combustion Chambers

Method of firing	B.t.u. per cubic foot	Approximate cubic feet required per hp.
Hand	50,000	1 1/10 cubic feet
Stoker	45,000	1 cubic foot
Oil	30,000	1 1/2 cubic feet
Pulverized Coal	20,000	2 1/4 cubic feet
Gas	30-35,000	1 1/2 cubic feet

In computing cubic contents of combustion chambers measure the depth to bridgewall for underfeed stoker and hand firing; the entire depth for pulverized coal, oil or gas firing and for spreaders or overfeed stokers. Width times height times depth will give the cubic contents. From the table, an oil-fired installation requires 1½ cubic feet of combustion chamber per horsepower, thus a 50 hp. boiler should have about 75 cubic feet of combustion chamber.

Gallons of Water To Feed Boilers

Horsepower	Gallons per minute	Gallons per hour
50	3.45	207
75	5.18	311
100	6.90	414
125	8.63	518
150	10.35	621
175	12.08	725
200	13.80	828
225	15.53	932
250	17.25	1035

One gallon of water weighs 8.34 pounds at 60° Fahrenheit. One boiler horsepower equals 34.5 pounds of water or 4.14 gallons of water evaporated per hour from 212° Fahrenheit.

Boiler hp. × 34.5 = pounds of water required per hour
Boiler hp. × 4.14 = gallons of water required per hour
Boiler hp. × .069 = gallons of water required per minute.

Boiler Heat Balances

A boiler that is 84 percent efficient employs 84 percent of the B.t.u. in the fuel for the generation of steam. The accompanying table quotes the percentages of B.t.u. dissipated in various ways of coal-, oil- and gas-fired boilers un-

(For good, fair and poor operating conditions)

	Coal			Fuel Oil			Natural Gas			
	Good	Fair	Poor	Good	Fair	Poor	Good	Fair	Poor	
Heat loss in unburned coal	0.4	1.5	5.0	....	....	....	....	....	....	
Heat lost in unburned gas (CO, etc.)	0.2	0.4	5.0	0.2	0.6	6.0	0.2	0.6	5.0	Controllable Losses
Sensible heat lost in products of combustion	4.8	6.8	10.8	4.8	6.8	10.8	4.8	6.8	10.8	
Heat lost in excess air	0.9	1.9	10.3	0.7	1.9	10.3	0.7	1.9	10.3	
Latent heat lost in water vapor products of combustion	2.7	2.9	3.0	5.5	5.5	5.5	9.1	9.1	9.1	Fixed Losses
Radiation and unaccounted-for heat losses (by difference)	1.2	2.5	4.0	1.2	2.5	4.0	1.2	2.5	4.0	
Heat used in generating steam	89.8	84.0	61.9	87.6	82.7	63.4	84.0	79.1	60.8	Steam
Based on flue gas temperature, °F.	300	400	600	300	400	600	300	400	600	
Based on excess air, percent	20	30	100	15	30	100	15	30	100	

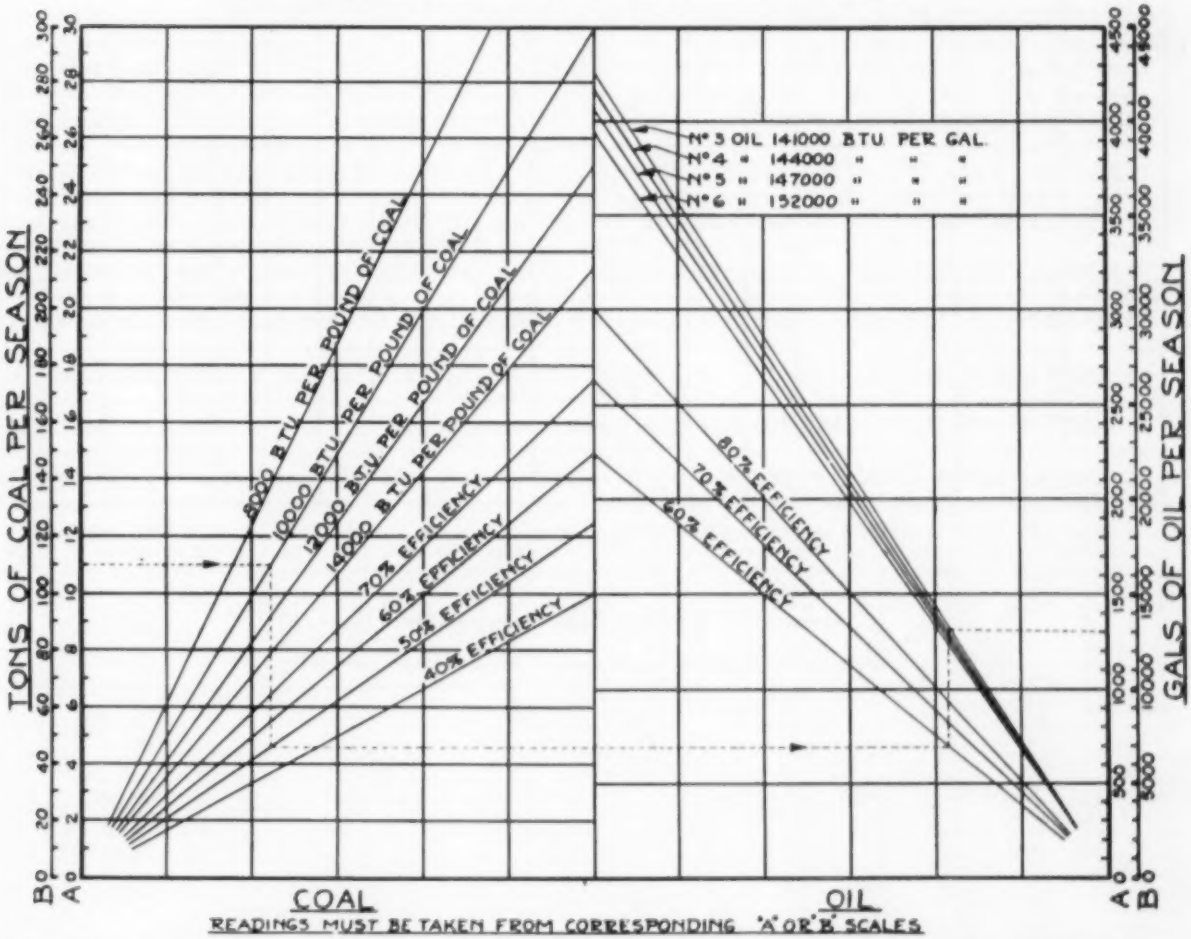
Source—Bailey Meter Co.

der good, fair and poor operating efficiencies. These percentages are grouped under controllable losses, fixed losses and those used in generation of steam.

A good installation using coal has an efficiency of 89.8 percent while with a poor installation the efficiency falls to 61.9 percent. Controllable losses are 31.1 percent for the poor coal-fired installation and only 6.3 percent for the good.

Not all controllable losses may be eliminated; to reduce some of them greatly may increase others. For instance, if the loss due to excess air is reduced too much, the saving effected will be offset by the increasing losses from unburned gases or smoke.

Computing Oil Consumption When Coal Consumption Is Known



When coal consumption is known, this chart permits ready estimation of comparative gallons of oil required. Locate coal consumption on left-hand A or B scale, read right to the heat content, down to the efficiency curve. From this point trace horizontally right to the assumed oil efficiency, up to the grade of oil assumed, then right to the corresponding A or B scale for oil and read to the comparative oil consumption. As illustrated in the dotted lines above, if a plant burns 110 tons of 10,000 B.t.u. coal at an efficiency of 50 percent, a comparative oil burning installation using No. 4 oil at 60 percent efficiency will require 13,000 gallons of oil for the same period. The chart may be used in reverse when oil consumption is known to estimate comparative tons of coal needed for a like period of time

EFFICIENCY TABLE
BASED ON EVAPORATION FROM AND AT 212° F.

B.T.U. PER LB. COAL	50% EFF.		55% EFF.		60% EFF.		65% EFF.		70% EFF.		72% EFF.		74% EFF.		76% EFF.		78% EFF.		80% EFF.	
	EVAPORATION PER POUND OF COAL	POUNDS COAL PER H.P. HOUR	EVAPORATION PER POUND OF COAL	POUNDS COAL PER H.P. HOUR	EVAPORATION PER POUND OF COAL	POUNDS COAL PER H.P. HOUR	EVAPORATION PER POUND OF COAL	POUNDS COAL PER H.P. HOUR	EVAPORATION PER POUND OF COAL	POUNDS COAL PER H.P. HOUR	EVAPORATION PER POUND OF COAL	POUNDS COAL PER H.P. HOUR	EVAPORATION PER POUND OF COAL	POUNDS COAL PER H.P. HOUR	EVAPORATION PER POUND OF COAL	POUNDS COAL PER H.P. HOUR	EVAPORATION PER POUND OF COAL	POUNDS COAL PER H.P. HOUR	EVAPORATION PER POUND OF COAL	POUNDS COAL PER H.P. HOUR
7000	3.61	9.56	3.97	8.70	4.33	7.97	4.69	7.36	5.05	6.83	5.19	6.64	5.34	6.46	5.48	6.30	5.63	6.13	5.77	5.98
7500	3.86	8.92	4.25	8.12	4.64	7.44	5.02	6.86	5.41	6.38	5.57	6.20	5.72	6.03	5.88	5.87	6.03	5.72	6.19	5.59
8000	4.12	8.36	4.53	7.60	4.95	6.97	5.36	6.44	5.77	5.98	5.93	5.81	6.09	5.65	6.26	5.50	6.43	5.37	6.60	5.23
8500	4.37	7.87	4.82	7.16	5.26	6.56	5.69	6.04	6.13	5.63	6.31	5.47	6.48	5.32	6.66	5.18	6.83	5.05	7.01	4.93
9000	4.63	7.43	5.10	6.76	5.57	6.20	6.03	5.72	6.49	5.32	6.68	5.16	6.86	5.03	7.05	4.89	7.24	4.77	7.42	4.66
9500	4.89	7.05	5.38	6.41	5.88	5.87	6.36	5.42	6.85	5.03	7.05	4.89	7.24	4.76	7.44	4.64	7.64	4.52	7.83	4.42
10000	5.15	6.69	5.67	6.09	6.18	5.58	6.69	5.15	7.21	4.78	7.42	4.65	7.62	4.52	7.83	4.40	8.04	4.29	8.24	4.19
10500	5.41	6.37	5.95	5.79	6.49	5.31	7.03	4.91	7.57	4.56	7.59	4.43	8.01	4.31	8.22	4.19	8.44	4.09	8.66	3.98
11000	5.67	6.08	6.23	5.53	6.80	5.07	7.36	4.68	7.93	4.35	8.16	4.23	8.38	4.11	8.62	4.00	8.84	3.90	9.07	3.81
11500	5.93	5.82	6.52	5.29	7.11	4.85	7.70	4.48	8.24	4.16	8.53	4.04	8.77	3.93	9.01	3.83	9.25	3.73	9.48	3.64
12000	6.19	5.57	6.80	5.07	7.42	4.63	8.04	4.29	8.66	3.99	8.91	3.87	9.15	3.77	9.39	3.67	9.65	3.58	9.89	3.49
12500	6.45	5.35	7.08	4.87	7.73	4.46	8.37	4.12	9.02	3.83	9.27	3.72	9.53	3.62	9.79	3.52	10.05	3.43	10.31	3.34
13000	6.71	5.15	7.37	4.68	8.04	4.29	8.71	3.96	9.38	3.68	9.65	3.57	9.92	3.48	10.18	3.39	10.45	3.30	10.72	3.23
13500	6.97	4.95	7.65	4.51	8.34	4.13	9.04	3.81	9.73	3.54	10.02	3.44	10.29	3.35	10.57	3.26	10.85	3.18	11.13	3.15
14000	7.23	4.78	7.94	4.35	8.66	3.98	9.38	3.68	10.10	3.42	10.38	3.34	10.67	3.23	10.97	3.15	11.25	3.07	11.54	2.99
14500	7.45	4.61	8.22	4.20	8.97	3.84	9.72	3.55	10.46	3.20	10.76	3.21	11.06	3.12	11.36	3.04	11.66	2.96	11.95	2.88

Trace left from B.t.u. value of coal to column denoting boiler efficiency. Point of intersection gives number of pounds of water evaporated for each pound of coal fed into furnace and number of pounds burned per horsepower. Plant taking 200 hp. per hour and burning coal of 14,000 B.t.u. per pound at 70 percent efficiency will require (from chart) 3.42 pounds of coal per horsepower per hour or total of 684 pounds per hour

Proportions Between Feed Pipes and Main Line

(Number of smaller pipes to equal cross-sectional area of one larger pipe)

Main Line Sizes	Feed Pipe Sizes													
	⅜	½	¾	1	1¼	1½	2	2½	3	3½	4	4½	5	6
⅜	1	...	...	...	...	...	...	...	...	...	...	...	...	...
½	1.6	1	...	...	...	...	...	...	...	...	...	...	...	...
¾	2.8	1.8	1	...	...	...	...	...	...	...	...	...	...	...
1	4.5	2.8	1.6	1	...	...	...	...	...	...	...	...	...	...
1¼	7.8	4.9	2.8	1.7	1	...	...	...	...	...	...	...	...	...
1½	10.6	6.7	3.8	2.4	1.4	1	...	...	...	...	...	...	...	...
2	17.6	11.0	6.3	3.9	2.2	1.6	1	...	...	...	...	...	...	...
2½	25	15.7	9.0	5.5	3.2	2.4	1.4	1	...	...	...	...	...	...
3	39	24.3	13.9	8.6	4.9	3.6	2.2	1.5	1	...	...	...	...	...
3½	52	32	18.5	11.4	6.6	4.8	2.9	2.1	1.3	1	...	...	...	...
4	67	42	24	14.7	8.5	6.3	3.8	2.7	1.7	1.3	1	...	...	...
4½	83	52	30	18.5	10.7	7.8	4.8	3.3	2.2	1.6	1.3	1	...	...
5	105	66	38	23	13.4	9.8	6.0	4.2	2.7	2.0	1.6	1.3	1	...
6	151	95	54	33	19	14.2	8.6	6.0	3.9	2.9	2.3	1.8	1.4	1

Source—Detroit Stoker Co.

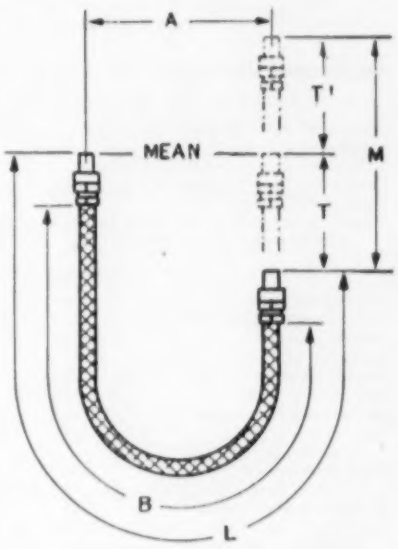
Flexible Metal Hose—Lengths and Minimum Bending Distances

Length of hose includes three factors: Bending Distance A, Travel of Hose M (T+T') and Coupling Factor C. With installation at minimum bending distance A and no travel, take length L from table. For hose subject to travel and installed at distance A, take L from table and add one-half travel when T and T' are equal; when they are not, add the larger. To calculate hose length independently, use following formulas:

Hose I. D. ¼" to 2": Length = 2½ A + C + T (use T or T' whichever is greater)
Hose I. D. 2½" to 6": Length L = 1¾ A + C (no travel)

HOSE I.D.	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"
A	8"	10"	12"	16"	18"	20"	24"	26"
B	20"	24"	30"	38"	44"	50"	56"	62"
C	4-1/2"	5"	5-1/2"	6"	7"	7-1/2"	8"	8"
L	25"	29"	36"	44"	51"	58"	64"	70"

HOSE I.D.	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	5"	6"
A	28"	30"	64"	72"	78"	84"	108"	120"
B	68"	72"	9' 6"	10' 4"	11'4"	12' 6"	18 FT.	18 FT.
C	9"	9"	9"	11"	-	-	-	-
L	77"	81"	10 FT.	11' 6"	-	-	-	-



Source: Packless Metal Products Corp.

Trap Capacities

(Table of factors for determining at reduced pressure)

Minimum Operating Pressure	Maximum Operating Pressure 5#	10#	15#	20#	30#	40#	50#	60#	70#	80#	90#	100#	125#
1/10 lb.	.14	.10	.09	.08	.07	.06	.05	.05	.05	.04	.04	.04	.04
1/4 lb.	.22	.16	.14	.12	.10	.09	.08	.07	.07	.07	.06	.06	.06
1/2 lb.	.32	.22	.19	.17	.14	.12	.11	.10	.09	.09	.08	.08	.07
1 lb.	.45	.32	.26	.23	.19	.17	.15	.14	.13	.12	.11	.11	.10
2 lbs.	.63	.45	.36	.33	.27	.23	.20	.19	.18	.17	.16	.16	.15
3 lbs.	.78	.55	.45	.40	.33	.29	.27	.24	.23	.21	.20	.19	.18
4 lbs.	.89	.64	.52	.46	.38	.33	.30	.27	.26	.24	.23	.23	.20
5 lbs.	1.00	.71	.58	.52	.43	.37	.34	.31	.29	.27	.26	.25	.23
10 lbs.	...	1.00	.82	.72	.61	.52	.48	.44	.41	.39	.37	.36	.32
15 lbs.	...	...	1.00	.85	.73	.62	.59	.56	.51	.48	.45	.43	.39
20 lbs.	...	...	...	1.00	.83	.73	.66	.61	.58	.55	.51	.49	.44
25 lbs.	...	...	...	...	.91	.80	.78	.69	.65	.61	.55	.53	.47
30 lbs.	...	...	...	...	1.00	.88	.79	.75	.70	.66	.60	.59	.54
40 lbs.	...	...	...	...	...	1.00	.90	.84	.80	.76	.69	.67	.61
50 lbs.	...	...	...	...	...	...	1.00	.93	.89	.84	.78	.75	.68
60 lbs.	...	...	...	...	...	...	...	1.00	.93	.88	.83	.80	.73
70 lbs.	...	...	...	...	...	...	...	...	1.00	.94	.89	.85	.78
80 lbs.	...	...	...	...	...	...	...	...	...	1.00	.95	.91	.82
90 lbs.	...	...	...	...	...	...	...	...	...	...	1.00	.95	.87
100 lbs.	...	...	...	...	...	...	...	...	...	...	...	1.00	.91
125 lbs.	...	...	...	...	...	...	...	...	...	...	...	...	1.00

Source—V. D. Anderson Co.

Although a steam trap will operate at pressures below those for which it is designed, the capacity decreases with the fall in pressure. The accompanying table gives correction factors for determining trap capacities at reduced pressures.

Locate the normal operating pressure in the top line;

follow down this column to the reduced pressure desired. The point of intersection shows the correction factor. Multiply the normal trap capacity by the correction factor, and the product is the trap capacity under the reduced pressure.

For example, if a trap designed for 225 pounds pressure delivers 1800 pounds of condensate per hour at maximum operating pressure, at 70 pounds pressure the capacity will be 1800 × .61 (correction factor in this case) = 1098 pounds of condensate per hour at the reduced pressure. Excess condensate in heated equipment lowers the temperature.

Conversion Ratios

1 gallon of water weighs 8.34 pounds.
1 gallon of water contains 231 cubic inches.
1 cubic foot of water equals 7.5 gallons.
1 cubic foot of water weighs 62.5 pounds.
1 horsepower equals 746 watts.
1 boiler horsepower equals 34.6 pounds of water evaporated per hour from and at 212° Fahrenheit.

	Multiplied by	Equals
Diameter of circle	3.1416	Circumference of circle
Diameter of circle squared	.7854	Area of circle
Gallons of water	.1377	Cubic feet
Cubic feet of water	62.5	Pounds of water
Gallons of water	8.34	Pounds of water
Feet head of water	.433	Pounds of pressure
Pounds pressure of water	2.31	Feet head
Feet head (brine sp. gr. 1.21)	.52	Pounds of pressure
Boiler horsepower	.069	Gallons feed water required per minute
Pounds pressure (brine)	1.92	Feet head
Feet head (gasoline sp. gr. 0.75)	.325	Pounds pressure
Pounds pressure (gasoline)	3.08	Feet head
Inches vacuum	1.132	Feet head
Feet suction lift	.882	Inches vacuum

To convert degrees Fahrenheit to degrees Centigrade, subtract 32 degrees and multiply by five-ninths.
To convert Centigrade to Fahrenheit, multiply by nine-fifths, add 32 degrees.

Belt and Pulley Calculations

To Find Lengths of Belts: Add the diameter of the two pulleys together, multiply by 3⅛ and divide the product by two. Add twice the distance between the centers of the shafts to the quotient and that will be the length required.

To Calculate Power of Belts: The horsepower of any belt equals its velocity in feet per minute multiplied by its width and divided by 1,000 for single and 700 for double belts. A 1-inch single belt, velocity 1,000 ft. per minute, equals 1 horsepower. A 1-inch double belt, velocity 700 ft. per minute, equals 1 horsepower.

To Find Diameter of Driving Pulley: Multiply diameter of driven pulley by the number of revolutions per minute and divide by the number of revolutions of driver. Quotient will be diameter of the driver.

To Find Speed of Driving Pulley: Multiply diameter of the driven pulley by its revolutions per minute and divide by diameter of driver. Quotient will be number of revolutions of driver.

To Find Diameter of Driven Pulley: Multiply diameter of driver by its number of revolutions per minute and divide by number of revolutions of the driven pulley. Quotient will be the diameter of driven pulley.

To Find Speed of Driven Pulley: Multiply diameter of driver by its number of revolutions per minute and divide by diameter of driven pulley. Quotient will be number of revolutions of driven pulley.

Computing Tank and Jar Capacities

Square or rectangular:

1. To compute cubic contents multiply length by width by depth. For example, the cubic contents of a tank 10 feet long, 6 feet wide and 4 feet deep is 240 cubic feet.
2. Since 1 cubic foot equals 7½ gallons, the tank above would hold 1,800 gallons (7½x240 = 1,800 gallons).

Cylindrical or round:

1. Square the diameter and multiply by .7854 and then multiply by the length or depth to obtain cubic contents. Capacity of a cylindrical tank 4 feet in diameter and 6 feet in length is 75.3984 cubic feet (4 x 4 x .7854 x 6 = 75.3984 cubic feet).
2. With 7½ gallons per cubic foot the tank would hold 565.49 gallons.

NOTE: When dimensions include both feet and inches, reduce all to feet or to inches before multiplying. If measurements are all in inches, the answer will be cubic inches. To reduce to cubic feet divide by 1728 (1728 cubic inches = 1 cubic foot).

Capacities of Tanks

To calculate the number of gallons in the cylinder of a clarifying tank use the following data:

$$3.14 \times \text{radius}^2 \times \text{height} = \text{cubic inches in cylinder}$$
$$231 \text{ cubic inches} = 1 \text{ gallon}$$
$$\text{cubic inches} \div 231 = \text{gallons in cylinder}$$

Given a tank cylinder with a radius of 24 inches and a height of 60 inches:

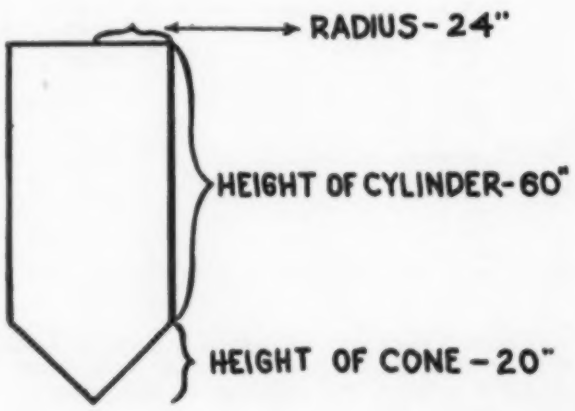
$$\frac{3.14 \times 24 \times 24 \times 60}{231} = 470 \text{ gallons}$$

To calculate the number of gallons in the cone of a tank use the following formula:

$$\frac{3.14 \times \text{radius}^2 \times \text{height}}{3 \times 231} = \text{gallons in the cone}$$

To find the capacity of a tank cone with a radius of 24 inches and a height of 20 inches:

$$\frac{3.14 \times 24 \times 24 \times 20}{3 \times 231} = 52 \text{ gallons}$$



COURSES IN DRYCLEANING AND RELATED SUBJECTS

NOTE: Time limits on GI educational benefits:

Under Public Law 7, servicemen who were in the armed forces on January 31, 1955, may earn up to 36 months of entitlement to Korean GI Bill education and training. Entitlement accrues at the rate of one and one-half times a veteran's length of active duty, up to a maximum of 36 months. Training must conclude January 31, 1965, or eight years after discharge or release, whichever comes first. Veterans who began their military service after January 31, 1955, are not eligible for GI Bill training.

Veterans who enlisted or reenlisted under Armed Forces Recruitment Act (Public Law 190) between October 6, 1945, and October 5, 1946, had to begin courses within 4 years from end of enlistment or reenlistment period, complete them within 9 years from that date.

Veterans of active service on or after June 27, 1950, and before the end of the Korean conflict must begin training by August 20, 1954, or 2 years after discharge, whichever is later. They must complete it within 7 years after discharge.

Disabled veterans may begin education or training (Public Law 16) at any time after discharge. Disabled veterans of World War II must complete courses by July 25, 1956. Those disabled after June 27, 1950, must complete courses within 9 years from end of Korean conflict.

Association Schools

National Institute of Drycleaning
Silver Spring, Maryland

GENERAL COURSE

Subjects: Drycleaning, spotting, wetcleaning, finishing. Theory, laboratory, plant practice.
Duration: 12 weeks.
Fees: Tuition $350; textbooks and supplies $25; laboratory fee $1.
Eligibility: Bona fide connection with member plant (waived for veterans); 1 year plant experience; 18 years age minimum.
GI approved.

PLANT MANAGEMENT

Subjects: Supervisory methods, wage incentives, work standards, layout, production control, customer relations, salesmanship, advertising, accounting, budgeting, effective writing and speaking, etc.
Duration: 4 weeks.
Fees: Tuition $275; textbooks and supplies included.
Eligibility: Bona fide connection with member plant (waived for veterans).
GI approved.

SILK FINISHING

Subjects: Finishing, fabrics, department layout, production figures and expectations.
Duration: 2 weeks.
Fees: Tuition $70; textbooks and supplies $6.
Eligibility: Bona fide connection with member plant, NID.

WOOL FINISHING

Subjects: Finishing, fiber identification, garment construction, department layout, production rate.
Duration: 2 weeks.
Fees: Tuition $70; textbooks and supplies $6.
Eligibility: Bona fide connection with member plant, NID.

EDUCATIONAL CONFERENCE FOR ASSOCIATE MEMBERS

Subjects: Drycleaning, spotting, wetcleaning, finishing.
Duration: 1 week.
Fee: $100.
Eligibility: Bona fide connection with associate member firm, NID.

LEATHER CLEANING AND FINISHING

Subjects: Drycleaning leather in petroleum and synthetic solvents. Dyes and dressings for grain and suede leathers.
Duration: 1 week.
Fee: Tuition $50; text materials and supplies $5.
Eligibility: Bona fide connection with member plant, NID.

CORRESPONDENCE COURSE IN SPOTTING

Subjects: Fibers and fabrics; tools and equipment; spotting techniques and chemicals; identification and removal of spots and stains.
Fee: $60 paid in advance; $67.50 deferred payment plan.
Eligibility: Bona fide connection with member plant, NID.

New York School of Drycleaning, Inc.
412 Lafayette Street, New York 3, N. Y.

Sponsored by: Neighborhood Cleaners Association.
Subjects: Principles and practices of drycleaning—spotting, fabrics and dyes, drycleaning, wetcleaning.
Duration: 80 hours, 10 weeks.
Fees: $150.
Eligibility: 2 years in the industry, 3 years in related industry, or combination.
GI approved.

Public Schools, Association-Sponsored

Baltimore Vocational School for Drycleaning and Finishing
2614 Pennsylvania Avenue, Baltimore 17, Maryland

Conducted by: Department of Education, Division of Vocational Education, Baltimore, Maryland.
Sponsored by: Retail Cleaning Plant Owners, Inc. (Baltimore)
Subjects: Cleaning, wetcleaning and bleaching, spotting, finishing, storage, business practice and store management.
Duration: 1440 hours (52 weeks).
Dates: Students may enter at any time.
Fees: Nonveterans $45 month full-time, $22.50 month half-time, $13.50 month part-time, plus books.
GI approved.

Hadley Vocational Training School
3405 Bell Street, St. Louis, Missouri

Conducted by: Board of Education, City of St. Louis.
Sponsored by: St. Louis Dry Cleaners Exchange.
Subjects: Drycleaning, wetcleaning, silk and wool finishing, spotting, inspecting, sorting, bagging.
Duration: 2 evenings per week, 15 weeks.
Dates: Fall and spring semesters.
Fees: $7 registration per semester.
Eligibility: Adults employed in industry or newcomers to industry.

University of British Columbia, Extension Department
Vancouver, B. C., Canada

Sponsored by: Vancouver Laundry, Dry Cleaners and Linen Supply Association.
Subjects: Textile chemistry and spotting; theory and practice.
Duration: 16 weeks, one evening a week.
Fees: $25.

Washington Technical High School
2800 Montgomery Street, St. Louis, Missouri

Like Hadley Vocational Training School, except both day and evening sessions; for negro students.

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Trade Schools and Colleges

Essex County Adult Technical School
222 Morris Avenue, Newark, New Jersey

Conducted by: Board of Education for the Essex County Vocational Schools.
Approved by: Wholesale Dyers and Cleaners Association.
Subjects: Related and technical drycleaning and spotting.
Duration: 1 year.
Dates: Fall and spring terms, 3 months each, 2 evenings per week.
Fees: No fee for those who work or live in Essex County. For others, $14 per term.
Eligibility: (A) Bona fide apprentices in drycleaning establishments; (B) employees in drycleaning industry.

Hampton Institute, Division of Trades and Industries
Hampton, Virginia

Subjects: Complete course in tailoring and drycleaning. Includes some academic subjects.
Duration: 4 school years and 1 summer internship.
Dates: Early September to end May; summer internship middle June to middle August.
Fees: Estimated expense for one college year $816.50, including fees, tuition, room, laundry, meals. Possibility of loans, part-time employment.
Eligibility: High-school graduates.
GI approved.

Los Angeles Trade Technical Junior College
Frank Wiggins Trade School
1646 South Olive Street, Los Angeles 15, California

Conducted by: Los Angeles Board of Education.
Subjects: Drycleaning (fundamentals only), silk and wool finishing, spotting, wetcleaning; practice and theory. Fabric analysis, busheling.
Duration: 10 months.
Dates: About September 1 to June 30.
Fee: Student body membership dues $5.50, plus small fee for materials.
GI approved.

North Georgia Trade and Vocational School
Clarkesville, Georgia

Subjects: Complete general drycleaning course. Spotting.
Duration: 12 months.
Dates: Enrollment at any time during year.
Fees: None for Georgia residents; out-of-state students $15 per month. Board, room and laundry $41 per month.
Eligibility: Minimum age 16, white. Both men and women. Out-of-state students eligible.
GI approved.

Oakland Junior College
Laney Trade and Technical Institute
237 East 11th Street, Oakland, California

Conducted by: Board of Education, Oakland.
Subjects: Spotting, pressing, ladies' tailoring.
Duration: Full school year of two semesters.
Dates: Regular school term.
Eligibility: Residents of Oakland or neighboring community.
GI approved.

Oklahoma Agricultural and Mechanical College
School of Technical Training
Okmulgee, Oklahoma

Sponsored by: Oklahoma Association of Dry Cleaners, Dry Cleaners Institute of Texas, Kansas Cleaners and Dyers Association.
Subjects: (A) General course: drycleaning, silk finishing, wool finishing, spotting and wetcleaning, and related subjects, practice and theory. (B) Short course: drycleaning, silk finishing, wool finishing, spotting and wetcleaning.
Duration: (A) Five 16-week semesters; (B) each course 8 weeks, 8-hour day.
Fees: (A) $125 per semester. Out-of-state students $72 additional per semester; (B) $100 for each 8-week short course. Monthly $5 rental books and supplies. Low-cost housing and meals available.
Eligibility: Prerequisite for spotting and wetcleaning course only: drycleaning course or previous plant experience.
GI approved.

School of Drycleaning Techniques
Central Training School
275 Lippincott Street, Toronto, Ontario, Canada

Conducted by: Board of Education, City of Toronto.
Sponsored by: Dry Cleaners Institute (Ontario).
Subjects: All phases of modern drycleaning. Theory and practice.
Duration: (A) Day school, 2 years, includes general high school subjects, correlated to theory and practice of drycleaning; (B) evening course, three nights a week all subjects.
Dates: (A) September through June; (B) October through March.
Fees: (A) None for Toronto residents, nonresident fee on request; (B) $5 registration Toronto residents, $15 nonresidents.
Eligibility: (A) Grade VIII or equivalent; (B) employment in industry.

Harry E. Wood High School
500 South Meridian Street, Indianapolis 25, Indiana

Conducted by: Indianapolis Public School System.
Subjects: Drycleaning, finishing, sorting, marking, assembly, spotting.
Duration: 9 months (2 terms).
Fees: None for Indianapolis residents; small fee for students from other parts of state.
Eligibility: Elementary education.

Commercial School

New England School of Dry Cleaning
1755 Revere Beach Parkway, Everett, Massachusetts

Subjects: (A) Spotting practice and fundamentals of drycleaning; (B) advanced silk spotting; (C) management; (D) concentrated course.
Duration: (A) 10 weeks, 2 evenings per week; (B) (C) 10 weeks, one evening per week; (D) 1 week full time.
Dates: Fall, winter and spring classes.
Fees: (A) $100 plus $10 for laboratory materials and supplies; (B) $60 plus $5 for laboratory materials and supplies; (C) $65; (D) $110.
Eligibility: Student must be sponsored by employer or by state or local association.
NOTE: Special 1-, 2- and 3-day courses available to out-of-state cleaners and associations in any part of U. S. or Canada, by special arrangement.

Correspondence School

Hubbard Drycleaning and Redyeing School
Route 3, Charlottesville, Virginia

Subjects: (A) General course (for managers and owners). (B) Drycleaning. (C) Spotting. (D) Wetcleaning, bleaching and stripping. (E) Dyeing all materials. (F) Drycleaning and spotting. (G) Spotting and wetcleaning. (H) Drycleaning, spotting and wetcleaning. (I) Spotting, wetcleaning and dyeing. (J) Applied chemistry for garment cleaners.
Fees: (First figure cash; second installment payments) (A) $72.50, $87.50. (B, C or D) $32.50, $38.50. (E or F) $48.50, $57.50. (G) $38.50, $48.50. (H or I) $58.50, $68.50. (J) $50.00, $62.50.

FILMS FOR GROUP SHOWING

Drycleaning Industry

Title: After the Ball Was Over.
Subject: Public relations film dramatizing drycleaning skill, know-how and equipment.
Projection: 16 mm, sound, color, 23 minutes.
Produced by: Oklahoma Association of Cleaners and Dyers.
Distributed by: Arthur S. Davenport, Public Relations Director, Oklahoma Association of Cleaners and Dyers, 136 N.W. 13th St., Oklahoma City, Okla. (Prints have been purchased by many state and local drycleaners' associations.)
Terms: Sale, $250. (Prints not available for loan or rent outside of Oklahoma, except from associations.)

Title: Dollars at the Door.
Subject: Success story of drycleaner using Sanitone advertising materials.
Projection: 16 mm, sound, color, 22 minutes.
Produced by: Emery Industries, Inc.
Distributed by: Sanitone engineers.
Terms: Loan. Sanitone representative to be present at showing.

Title: Finishing of Pleated Trousers on a Utility Press.
Subject: Steps in one technique of trouser finishing.
Projection: 16 mm, sound, black-and-white, 12-15 minutes.
Produced by: National Institute of Drycleaning.
Distributed by: National Institute of Drycleaning, Silver Spring, Md.
Terms: Sale $25, or loan to NID members only. Borrower pays return postage. Available for instructional purposes.

Title: Finishing of Skirts on the Utility and the Offset Hothead Presses.
Subject: Steps in recommended skirt finishing technique.
Projection: 16 mm, sound, black-and-white, 13 minutes.
Produced by: National Institute of Drycleaning.
Distributed by: National Institute of Drycleaning, Silver Spring, Md.
Terms: Sale $25, or loan to NID members only. Borrower pays return postage. Available for instructional purposes.

Title: Formatic Shirt Unit.
Subject: Shirt production.
Projection: 16 mm, silent, black-and-white.
Produced by: The American Laundry Machinery Co.
Distributed by: Local representatives, branch and division offices of The American Laundry Machinery Co.
Terms: Loan.

Title: It's All in the Finish.
Subject: Application and effects of synthetic-resin fabric finishes.
Projection: 16 mm, sound, color, 23 minutes.
Produced by: American Cyanamid Company, Textile Resin Department.
Distributed by: Vacuumate Corporation, 446 W. 43rd St., New York 18, N. Y.
Terms: Loan; borrower pays return shipping charge.

Title: Leave Less to Luck.
Subject: Soil removal and its research basis.
Projection: 16 mm, sound, color, 35 minutes.
Produced by: The Procter & Gamble Company.
Distributed by: Mr. D. E. Tuttle, Laundry Research Department, Procter & Gamble, Ivorydale 17, Ohio.
Terms: Loan.

Title: More Dangerous Than Dynamite.
Subject: Dangers of home drycleaning and other home fire hazards.
Projection: 16 mm, sound, black-and-white, 10 minutes.
Produced by: Bureau of Communications Research.
Distributed by: State Fire Marshal, 507 Polk St., San Francisco 2, Calif., or National Board of Fire Underwriters, San Francisco, Calif. (west of Rockies); Bureau of Communications Research, 13 East 37th St., New York 17, N. Y.
Terms: Loan; borrower pays return shipping charge.

Title: One Method of Finishing Sack Coats.
Subject: Steps in one technique of sack-coat finishing.
Projection: 16 mm, sound, black-and-white, 13 minutes.
Produced by: National Institute of Drycleaning.
Distributed by: National Institute of Drycleaning, Silver Spring, Md.
Terms: Sale $25, or loan to NID members only. Borrower pays return postage. Available for instructional purposes.

Title: One-Operator Silk Finishing Unit.
Subject: Installation, layout and operation of Excelsior one-operator unit.
Projection: 16 mm, sound, black-and-white, 25 minutes.
Produced by: Excelsior Machinery Company.
Distributed by: Excelsior Machinery Company, 1452 Randolph St., Detroit 26, Mich., or local distributors of Excelsior equipment.
Terms: Loan.

Title: Please Pass the Condensate.
Subject: Steam trapping for more production.
Projection: 16 mm, sound, color, 20 minutes.
Produced by: Yarnall-Waring Co.
Distributed by: Yarnall-Waring Co., Philadelphia 18, Pa.
Terms: Loan.

Title: Protecting Your Profits.
Subject: Equipment maintenance.
Projection: 16 mm, sound, color.
Produced by: The American Laundry Machinery Co.
Distributed by: Local representatives, branch and division offices of The American Laundry Machinery Co.
Terms: Loan.

Title: Selling Yourself.
Subject: Teaching counter girls and routemen to create better customer relationship.
Projection: 16 mm, sound, black-and-white, 25 minutes.
Produced by: Virginia-Carolina Laundry Supply Corp.
Distributed by: Virginia-Carolina Laundry Supply Corp., 212 W. Seventh St., Richmond 2, Va.
Terms: Sale to allied trades distributors $450; additional prints $100.
Also rented to plants and state associations $25; 72 hours time limit.
Customer pays return shipping charges.

Title: What's in Store for Laundries?
Subject: Merchandising.
Projection: 16 mm, sound, color.
Produced by: The American Laundry Machinery Co.
Distributed by: Local representatives, branch and division offices of The American Laundry Machinery Co.
Terms: Loan.

Business—General

Title: All I Can Do.
Subject: Sales training.
Projection: 16 mm, sound, black-and-white, 23 minutes.
Produced by: Coopers, Inc.
Distributed by: Modern Talking Picture Service, Inc., 45 Rockefeller Plaza, New York 20, N. Y.
Terms: Loan; borrower pays shipping charges.

Title: The Easier Way.
Subject: Principles of motion study.
Projection: 16 mm, sound, black-and-white, 13 minutes.
Produced by: General Motors Corporation.
Distributed by: General Motors Corporation, 405 Montgomery

St., San Francisco 4, Calif. (Western states); Department of Public Relations—Film Section, 1775 Broadway, New York 19, N. Y. (Metropolitan New York and Long Island); Department of Public Relations—Film Section, General Motors Bldg., Detroit 2, Mich. (other states)
Terms: Loan; shipped parcel post; express collect if requested.

Title: Experiment.
Subject: How to get along with people; humorous treatment.
Projection: 16 mm, sound, black-and-white, 12 minutes.
Produced by: General Motors Corporation.
Distributed by: See under "The Easier Way."
Terms: See under "The Easier Way."

Title: The Flow Process Chart and How To Use It.
Subject: Analysis of work operations.
Projection: 16 mm, sound, color, 1⅓ reels.
Produced by: Office of Scientific Research and Development.
Distributed by: United World Films, Inc., 1445 Park Ave., New York 29, N. Y.
Terms: Sale only: $87.85, less 10 percent to nonprofit organizations.

Title: The Invisible Receptionist.
Subject: Courteous, efficient handling of customers by switchboard attendants.
Projection: 16 mm, sound, black-and-white, 21 minutes.
Produced by: Bell Telephone System.
Distributed by: Any Bell System company in U. S. or Canada.
Terms: Loan.

Title: Selling America Today.
Subject: Benjamin Franklin on sales training.
Projection: 16 mm, sound, black-and-white, 35 minutes.
Produced by: General Motors Corporation.
Distributed by: See under "The Easier Way."
Terms: See under "The Easier Way."

Title: Strange Interview.
Subject: Benjamin Franklin on employer-employee relations.
Projection: 16 mm, sound, black-and-white, 55 minutes. (Requires projector to handle 2000-foot, 17-inch reel. A 2000-foot take-up reel shipped with film. Also available on two 1200-foot reels.)
Produced by: General Motors Corporation.
Distributed by: See under "The Easier Way."
Terms: See under "The Easier Way."

Title: Telephone Courtesy.
Subject: Good telephone habits in business.
Projection: 16 mm, sound, black-and-white, 25 minutes.
Produced by: Bell Telephone System.
Distributed by: Any Bell System company in U. S. or Canada.
Terms: Loan.

Title: Thanks for Listening.
Subject: Value of good telephone habits to business users.
Projection: 16 mm, sound, black-and-white, 30 minutes.
Produced by: Bell Telephone System.
Distributed by: Any Bell System company in U. S. or Canada.
Terms: Loan.

Safety, Health and Maintenance

Title: Basic Principles of Lubrication.
Subject: Truck lubrication.
Projection: 16 mm, sound, black-and-white, 25 minutes.
Produced by: General Motors Corporation.
Distributed by: General Motors Corporation (see under "The Easier Way").
Terms: See under "The Easier Way."

Title: Color Conditioning for Industry.
Subject: Use of paint and light to improve efficiency and morale.
Projection: 16 mm, sound, color, 2 reels.
Produced by: E. I. du Pont de Nemours & Co., Inc.
Distributed by: E. I. du Pont de Nemours & Co., Inc., Motion Picture Distribution, Wilmington, Del.
Terms: Loan.

Title: Day in Court.
Subject: Traffic safety.
Projection: 16 mm, sound, black-and-white, 30 minutes.
Produced by: International Harvester Company.
Distributed by: Modern Talking Picture Service, Inc., 45 Rockefeller Plaza, New York 20, N. Y.
Terms: Loan; borrower pays shipping charges.

Title: Here's the Dope.
Subject: Route salesman ignores safety rules and lands in hospital.
Projection: 35 mm, sound slidefilm, black-and-white, 15 minutes.
Produced by: Zurich-American Insurance Companies.
Distributed by: Local Zurich Insurance Company agent. Write for name to Zurich-American Insurance Companies, 135 S. La Salle St., Chicago 3, Ill.
Terms: Loan.

Title: Light Is What You Make It.
Subject: Importance of good light to vision.
Projection: 16 mm, sound, color, 10 minutes.
Produced by: Walt Disney cartoon.
Distributed by: Pennsylvania College for Women, PCW Audio-Visual Materials Center, Pittsburgh 32, Pa.
Terms: Rental.

Title: Live—and Let Live.
Subject: Highway safety.
Projection: 16 mm, sound, color, 10 minutes.
Produced by: Aetna Life Affiliated Companies.
Distributed by: Aetna Life Affiliated Companies, Public Education Department, Hartford 15, Conn. Branch offices or local representatives of Aetna Casualty and Security Company.
Terms: Loan; borrower pays return shipping charge.
Sale: $51.

Title: No Use Skidding.
Subject: How to avoid hazards of winter driving.
Projection: 35 mm slidefilm, sound, black-and-white, 20 minutes.
Produced by: National Safety Council.
Distributed by: National Safety Council, 425 N. Michigan Ave., Chicago 11, Ill.
Terms: Loan: Borrower pays shipping charges.
Sale: $9.

Title: P. U. D. Driver Wins Again.
Subject: Typical day of pickup-and-delivery driver.
Projection: 35 mm slidefilm, sound, black-and-white, 20 minutes.
Produced by: National Safety Council.
Distributed by: National Safety Council, 425 N. Michigan Ave., Chicago 11, Ill.
Terms: Rental: $5 per week, return shipping charge.
Sale: $20.50.

Title: Screw Drivers and Screw Jays.
Subject: Highway safety; humorous treatment.
Projection: 16 mm, sound, black-and-white, 12 minutes.
Produced by: Shell Oil Company.
Distributed by: Shell Oil Company, Film Library, 100 Bush St., San Francisco 6, Calif.; Shell Building, Houston 1, Texas; 624 S. Michigan Ave., Chicago 5, Ill.; 50 W. 50th St., New York 20, N. Y.
Terms: Loan; borrower pays return charge.

Title: Stop Fires, Save Jobs.
Subject: How industrial fires start; what to do about them.
Projection: 16 mm, sound, black-and-white, 19 minutes.
Distributed by: National Board of Fire Underwriters Film Library, Bureau of Communications Research, Inc., 13 E. 37th St., New York 17, N. Y.
Terms: Loan or purchase.

Title: Stop Them Before They Start.
Subject: Demonstration of fire hazards, including home drycleaning with gasoline.
Projection: 16 mm, sound, black-and-white, 14½ minutes.
Produced by: Automobile Insurance Company and Standard Fire Insurance Company.
Distributed by: Aetna Life Affiliates Companies, Public Education Department, Hartford 15, Conn.
Terms: Loan, borrower pays return shipping charge.

Title: A Way With Fires.
Subject: Promotion of fire prevention habits and proper operation of various types of fire extinguishers.
Projection: 16 mm, sound, black-and-white, 30 minutes.
Distributed by: Bell Telephone System, your local telephone company office.
Terms: Loan.

Title: What's Your Safety I.Q.?
Subject: Quiz on off-the-job safety, audience participation.
Projection: 16 mm, sound, black-and-white, 15 minutes.
Produced by: National Safety Council.
Distributed by: National Safety Council, 425 N. Michigan Ave., Chicago 11, Ill.
Terms: Rental: $5 per week, return shipping charge. Sale: $53.

General

Title: Backfire!
Subject: Defense of free enterprise.
Projection: 16 mm (also available 35 mm), sound, black-and-white, 15 minutes.
Produced by: American Economic Foundation and Princeton Film Center, Inc.
Distributed by: American Economic Foundation, 295 Madison Ave., New York 17, N. Y. (Also available on loan to NID alumni from Miss Edna Michelsen, National Institute of Drycleaning, Silver Spring, Md.)
Terms: Sale: $75 postpaid.

Title: The Price of Freedom.
Subject: Individual responsibility for protection of our constitutional rights.
Projection: 16 mm, sound, black-and-white, 23 minutes.
Produced by: National Association of Manufacturers.
Distributed by: General Motors Corporation (see under "The Easier Way").
Terms: See under "The Easier Way."

NOTE: Under a new law, 16 mm films may be shipped at the same postal rate as books. When this rate is used, label must bear the following notation: Sec. 34.83(e) P L & R (for nonprofit organizations), or Sec. 34.84(h) P L & R (for profit organizations).

BOOKS FOR DRYCLEANERS

Alterations of Men's Clothing. Second edition. By David Carlin. Fairchild Publications, Inc., 7 E. 12th St., New York 3, N. Y. $5.00.

Applied Science for Drycleaners. By George P. Fulton. National Institute of Drycleaning, Silver Spring, Md. $6.50; members $3.25.

Briefs for Broadcasting. National Institute of Drycleaning, Silver Spring, Md. $1.00 (sold to members only).

Common Sense Incentives for the Small Shop. By Ed Vasselos and Harold Whitaker. Common Sense Incentives, P. O. Box 562, Sheboygan, Wis. $5.00.

Establishing and Operating a Dry Cleaning Business. Revised Edition. U. S. Department of Commerce. Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C. 70 cents.

Fabrics Today and Drycleaning. By Louis Goldblatt, Frank Pollatsek and William Seitz. Neighborhood Cleaners Association, 412 Lafayette St., New York 3, N. Y. $25.00; members $15.00. Supplement $5.00 to members and non-members.

The Fur Book. By David G. Kaplan. National Cleaner & Dyer, 304 E. 45th St., New York 17, N. Y. $7.50.

A Great Discovery Resulted From an Accident. National Institute of Drycleaning, Silver Spring, Md. $7.50 per 100 (sold to members only).

Guide to Plant Layout. National Cleaner & Dyer, 304 E. 45th St., New York 17, N. Y. $1.00.

How To Clean Cotton Rugs. National Rug Cleaner, 304 E. 45th St. New York 17, N. Y. 25 cents.

How To Train Finishing and Folding Operators in the Laundry. Starchroom Laundry Journal, 304 E. 45th St., New York 17, N. Y.

The Laundry Primer. Starchroom Laundry Journal, 304 E. 45th St., New York 17, N. Y. $1.00.

Legislative Digest. National Institute of Drycleaning, Silver Spring, Md. $1.00 (sold to members only).

The Lot System. By Claude E. Lucas. Pacific Laundry & Cleaning Journal, 121 Second St., San Francisco 5, Calif. $4.00.

Manual for Training Silk Finishers. By Laura Herrmann Porterfield. National Cleaner & Dyer, 304 E. 45th St., New York 17, N. Y. $1.00.

Manual for Training Wool Finishers. By Laura Herrmann Porterfield. National Cleaner & Dyer, 304 E. 45th St., New York 17, N. Y. $1.00.

Opportunity and a Future in the Drycleaning Industry. National Institute of Drycleaning, Silver Spring, Md. 50 cents.

Preserving Fashion Is Our Business. National Institute of Drycleaning, Silver Spring, Md. $7.50 per 100 (sold to members only).

Production in Silk Finishing. National Institute of Drycleaning, Silver Spring, Md. 50 cents (sold to members only).

Profitable Alterations. National Cleaner & Dyer, 304 E. 45th St., New York 17, N. Y. 50 cents.

Route Sales Management. By Fred DeArmond and George N. Graf. Moore Publishing Company, 48 W. 38th St., New York 18, N. Y. $5.00.

Sell Drycleaning. By Stuart Standish. With incentive-program material. Sell Drycleaning, Lock Box 6909, Chicago 77, Ill. Includes The Executive Manual $13.50; The Trainer's Manual, $10.50; Salesmen Training Releases, $8.00.

Sell Drycleaning From the Store. With incentive-program material. By Stuart Standish and Nancy Garner. Sell Drycleaning, Lock Box 6909, Chicago 77, Ill. $5.00.

Silk Finishing. By J. W. Maher. National Institute of Drycleaning, Silver Springs, Md. $3.50; members $1.75.

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The Spotting Department. By Clyde Covington. National Institute of Drycleaning, Silver Spring, Md. $3.50; members $1.75.

Storage for the Drycleaner. National Cleaner & Dyer, 304 E. 45th St., New York 17, N. Y. 50 cents.

Tables of Square Measurements. By Frank Trickey. David McKay Company, Inc., 55 Fifth Ave., New York, N. Y. $3.00.

Tailoring Suits the Professional Way. By Clarance Poulin. Chas. A. Bennett Co., Inc., 237 N. Monroe St., Peoria, Ill. $4.50.

Uniform Account Classification for Drycleaning Plants. National Institute of Drycleaning, Silver Spring, Md. $1.00.

Wage Incentive Procedures for Drycleaners. National Institute of Drycleaning, Silver Spring, Md. $1.00 (sold to members only).

Wetcleaning. By Norbert J. Berg. National Institute of Drycleaning, Silver Spring, Md. $3.50; members $1.75.

Who's Liable? National Institute of Drycleaning, Silver Spring, Md. 50 cents (sold to members only).

You Sell Service. National Institute of Drycleaning, Silver Spring, Md. 25 cents (sold to members only).

Your Cleaner Is Your Clothes' Best Friend. Recorded jingle, radio disc. National Institute of Drycleaning, Silver Spring, Md. $3.50.

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M·M·M·
GOOD!

The Proof of the ~~PUDDING~~ PROCESS *is in Consumer* SATISFACTION

Confused by claims, counter claims, 2-bath, relative humidity, etc., etc., etc.? Then let's get right down to fundamentals.

All your customer wants from you, or any other dry cleaner, is to get back garments that are really clean. That is precisely why Sanitone is sold ONLY after a demonstration, *at our expense,* has convinced the prospective user that Sanitone does get clothes clean.

What happens after that proves that your customers like what it does for them, too. Such response is amazingly demonstrated below.



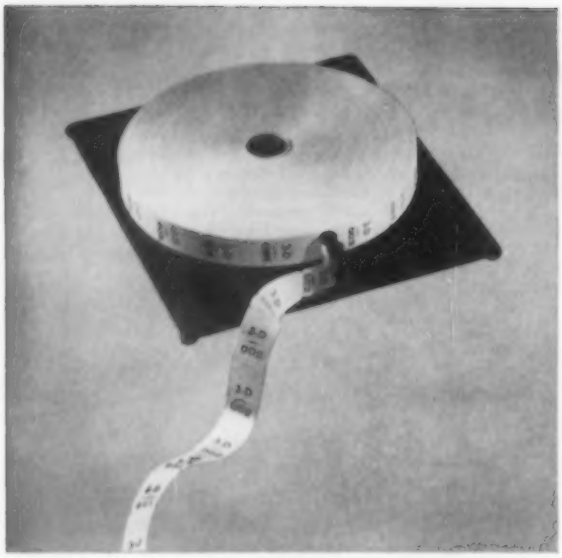
...and the SANITONE COTTON CLINIC has loads of proof!

"Hard-to-dry-clean" cottons are perfect tools to gain *new, satisfied customers.* We have stacks of letters from Sanitone licensees telling how they have used the famous Cotton Clinic to banish summer slump. Ask for proof. Write today!

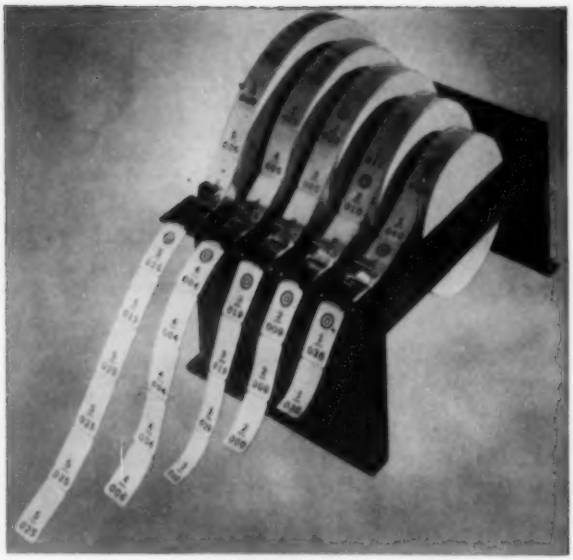


Sanitone
DRY CLEANING SERVICE

A Division of Emery Industries, Inc., Carew Tower • Cincinnati 2, Ohio



Single Holder



Multiple Holder

ARMA answers your need for a better tag with Redi-Count Roll Tags

▪ Cost less than books ▪ Eliminate waste
▪ Speed marking ▪ Ease assembly

How They Work—Redi-Count Roll Tags are made in five different rolls—one with a master, two with a master, and so on. The top number on the tag tells you how many garments are in the group. The bottom (or serial) number identifies each of the customer's garments in that group. Redi-Count Roll Tags are numbered from 1 to 1,000.

When an order is received from your customer:

1. Count number of pieces in order
2. Use tags from roll with correct piece number
3. Attach tags to garments and master to invoice
4. Process order through plant
5. When finished, sort entire lot run by piece number
6. Then sort all garments by customer control number and match with customer's identification
7. When all tags are accounted for, order is complete

What They Do

1. Eliminate use of tag books which clutter up space and get lost
2. Eliminate waste because there is an exact number of tags for each order
3. Eliminate marking, inking problems
4. Eliminate poor identification numbers that cause lost or stray garments
5. Provide a convenient place for each size roll in an inexpensive holder that contains no mechanisms. Rolls are easily changed in a matter of seconds

Rolls, available plain or printed, are excellent for day tag users. They also are made in regular Redi-Mark style (five tags plus a master) with any top number.

See your jobber or send for free additional information and samples today!

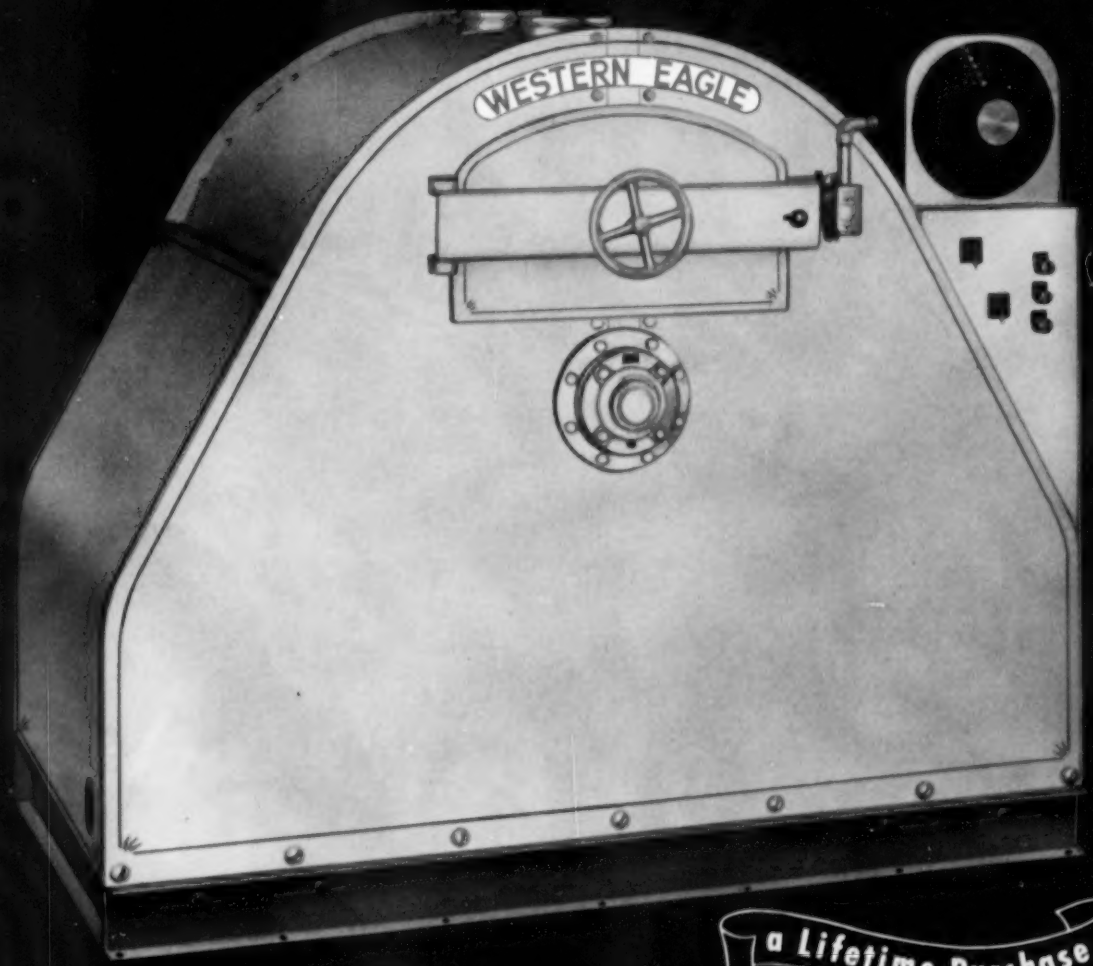
Pittsburgh Tag Company

1112 Galveston Avenue • **Pittsburgh 33, Pa.**

THE ULTIMATE IN DRY CLEANING EFFICIENCY

the Western Eagle

COMBINATION Washer-Extractor



a Lifetime Purchase

Western Laundry Machinery Company

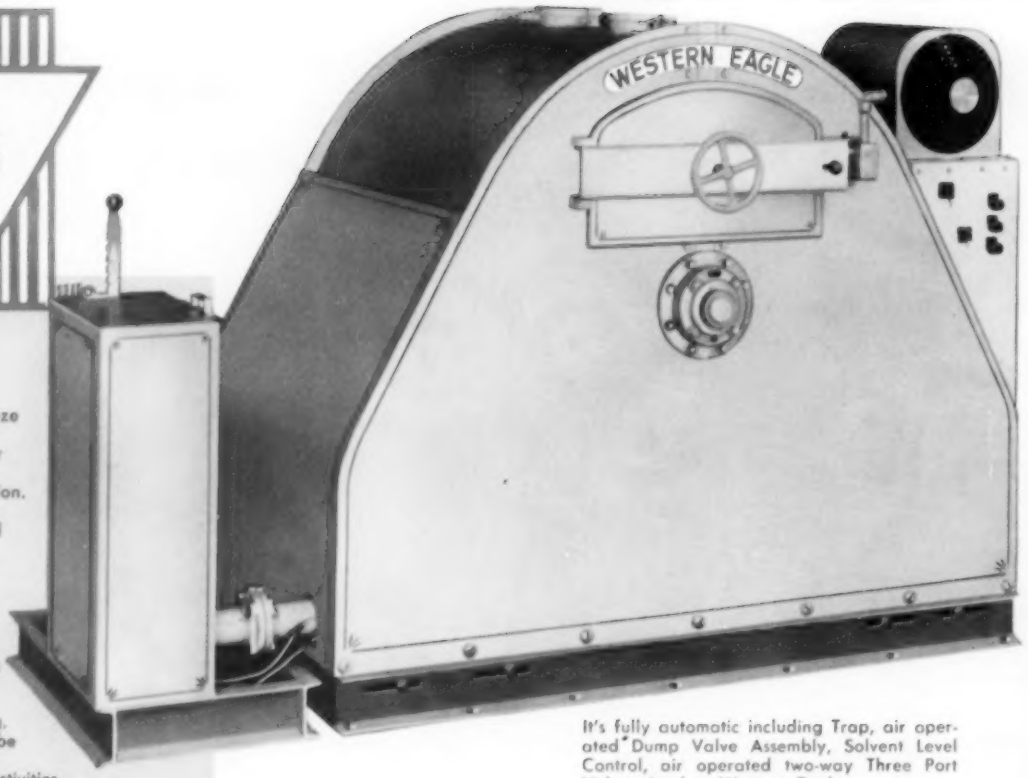
NORTH KANSAS CITY, MISSOURI

WESTERN

EAGLE

70 lb. – 120 lb.

Manual or Fully Automatic



It's fully automatic including Trap, air operated Dump Valve Assembly, Solvent Level Control, air operated two-way Three Port Valve piped to Western Eagle.

- 48 inch diameter two-pocket cylinder for proper drop squeeze and wash action.
- Low center of gravity for better balance.
- Automatic vibration-less extraction.
- Easy to install. In most cases only replace your washer and extractor.
- Quiet, easily adjustable V-belt drive.
- Separate motor for washer and extractor.
- No complicated adjustments.
- Air operated brake for inching and braking.
- Large cylinder and shell door for easy loading and unloading.
- All automatic operations may be manually controlled if desired.
- Release dry cleaner for other activities.
- Fabricated steel foundation template and hold down bolts.

The WESTERN EAGLE *Fully Automatic* CYCLE CONTROL

Only the Western Eagle *Fully* Automatic will save operator time, money and produce faster cleaning when using the two-bath method. By having a *Variable* Cycle Control you can lengthen or shorten each cycle as you desire. Semi-Automatics are impracticable as they require the same amount of operator time at the machine as a manually operated unit.

Truly AUTOMATIC in every operation—The Western Eagle Fully Automatic controls your pre-set one or two bath washing and extracting cycle. Operator merely sets the selected cycle on the controller—loads and starts the machine. No further operator attention is required until the machine audibly signals the end of the entire cycle. It is impossible to intermix the soap solution with the rinse solution as the solvent flow also is automatically controlled by the Western Eagle control.

With a fully automatic Western Eagle the Dry Cleaner is no longer tied to the cleaning room.



Each cycle may be easily varied to meet your individual requirements.



Rear view showing air operated Inlet Valves—automatic oiling, Air Strainer and Pressure Gauge.



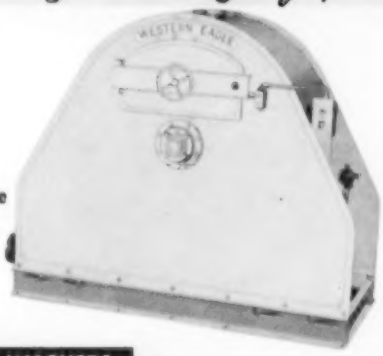
The Trap, air operated Dump Valve Assembly, Solvent Level Control and air operated two-way Three Port Valve.

YOU CAN GET MORE PROFITS WITH THE WESTERN EAGLE WASHER-EXTRACTOR AND PETROLEUM CLEANING. When connected with your present petroleum dry cleaning system your Western Eagle will do more for you than any other type dry cleaning—and will cost less to operate.

Western *Famous Quality Line of Dry Cleaning Equipment*

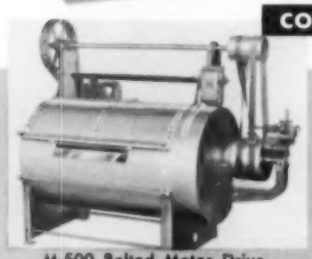


Western Eagle
Fully Automatic
70 & 120 Lb.



Western Eagle
Manual
70 & 120 Lb.

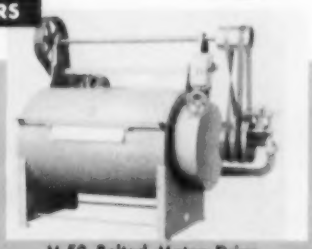
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M-500 Belted Motor Drive



M-500 Direct Motor Drive



M-50 Belted Motor Drive

TUMBLERS Reversing and Non-Reversing



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EXTRACTORS Dry Cleaning—Laundry



20 inch 25 lb. capacity | 30 inch 70 lb. capacity | 26 inch 50 lb. capacity







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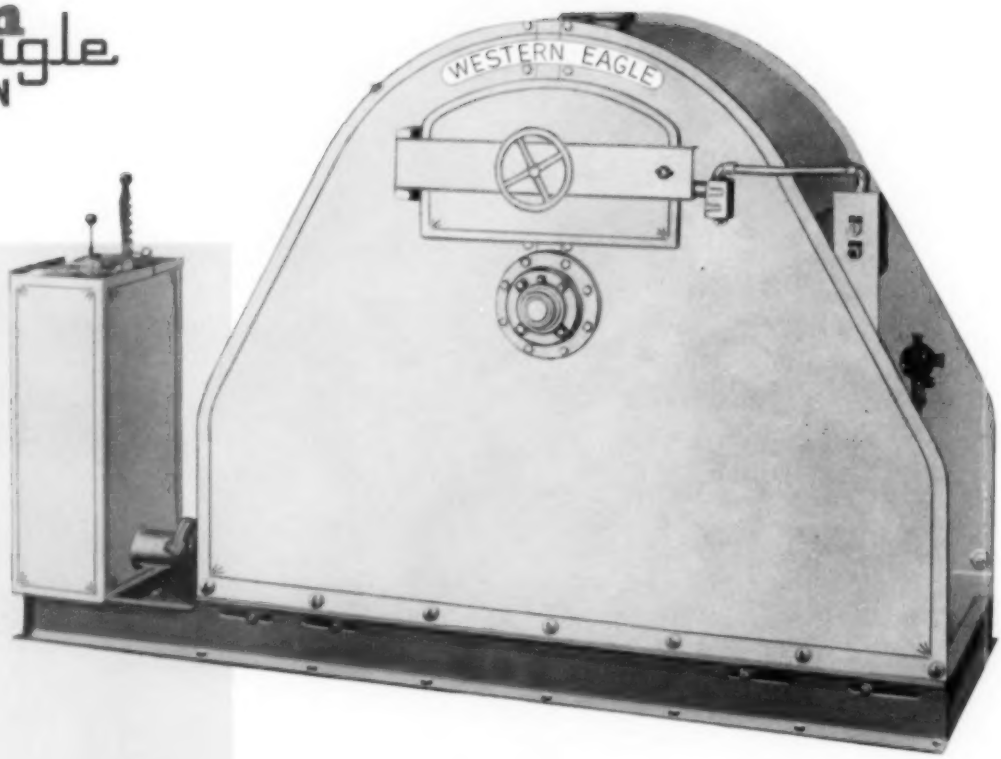
Form 125

Manufactured by **WESTERN LAUNDRY MACHINERY CO.** 420 East 10th Street, North Kansas City, Missouri

meet your individual requirements.

Petroleum Cleaning is the Finest Quality

the Western Eagle COMBINATION WASHER-EXTRACTOR



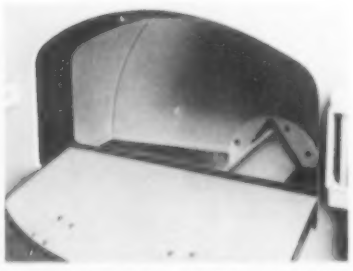
- The Western Eagle manually operated Combination Washer-Extractor is ideally suited for ONE or TWO bath methods of dry cleaning.
- Eliminate messy floors—reduce solvent costs.
- No complicated piping arrangements necessary—operates practically the same as you do now.
- Air operated brake.
- Positive inching.
- No tanks under machine—use your present tanks either for above or below ground systems—stay away from hot solvent—high speed circulation of a small volume of solvent produces hot solvent.

BEARING

Tested for years in the field—designed to eliminate danger of solvent entering the bearings and destroying lubrication therein. Bearings are of the enclosed antifriction type . . . rigidly mounted to separate housing to assure positive alignment necessary for smooth, frictionless operation.

The Trunion Shaft is fitted with Duplex Seals to prevent solvent leakage around shafts. Shaft seals require no adjustment or repacking. Shaft seals prevent bearing greases from contaminating solvent.

if it's WESTERN it's QUALITY



Perforated cylinder partition, provides better circulation.



Simplified Positive Cylinder Door Latches and Hinges—Large Shell and Cylinder Door Opening



Western air operated automatic by-pass used for above ground tank systems only.



Manufactured by **WESTERN LAUNDRY MACHINERY CO.** 420 East 10th Street, North Kansas City, Missouri

lity Cleaning—Yet Costs Less to Produce

Complete WASHING · AGITATION · CIRCULATION

with TWO Pocket Western Eagle Cylinder





The Western Eagle Two Pocket Metal Cylinders are constructed of smooth perforated steel sheets electro-therm welded to give the sturdy construction necessary for handling bigger loads faster—more profitably. Greater number of perforations in the Eagle Two-Pocket Cylinder assure greater solvent circulation and proper drop squeeze and wash action for finest quality dry cleaning.

- 48 inch diameter gives proper drop—squeeze and wash action.
- Two pockets afford separation by classification.
- No tangling or balling of clothes.
- Large door opening for easy fast loading and unloading.

EXCLUSIVE UNI-PLATE STEEL SHELL

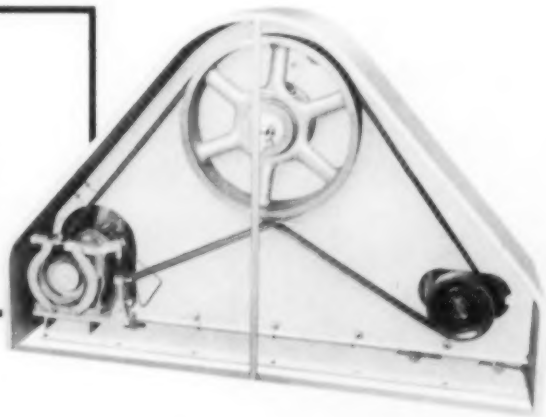
The Western Shell is constructed of heavy steel plate continuously welded forming a solid one-piece structure with no bolt holes or gaskets below the solvent level. This exclusive Western Eagle construction is positive assurance against leakage of solvent.

The Shell Door is constructed of heavy steel plate and designed so that tightening of the hand wheel applies pressure equally over the entire surface of the door.

The Shell is mounted on heavy channel base fabricated to match the foundation template.

Unique Simplified Drive

The unique simplified drive is accomplished by individual extracting and washing motors properly mounted under each side of the machine—resulting in the simple easily adjustable silent V-belt drive. There are no complicated multiple chain and gear reducers to accomplish the variation in washing and extracting speeds. The pyramid type construction and scientifically engineered distribution of weight assures extraction WITHOUT vibration.



GENERAL SPECIFICATIONS

The Western Eagle Combination Washer-Extractor

Capacity	70 Lb.	120 Lb.
Cylinder Size	48 x 23	48 x36
Cylinder Cubic Area	24 cu. ft.	37.7 cu. ft.
Cylinder Door Opening	23 x 12	23 x 12
Cylinder Compartment	2	2
Washing Speed	25 RPM	25 RPM
Extracting Speed	600 RPM	600 RPM
Washer Motor	2 HP	3 HP
Extractor Motor	5 HP	7½ HP
Solvent Inlet	2½"	2½"
Solvent Outlet	3"	3"
Shipping Weight	4000 Lbs.	5000 Lbs.
Electrical Current	220/440 Volts 60 cy 3ph	220/440 Volts 60 cy 3ph
Recommended Foundation 18" Floor Space including Lint Trap, Weir Dam and Dump Valve Assembly piped to Machine	100" Wx49" Dx65" H	100" Wx62" Dx65" H

STANDARD EQUIPMENT

Western Eagle Models A-550 • A-1550

FULLY AUTOMATIC

1. Lint Trap
2. Air operated Drain Valve
3. Solvent Level Control and Weir Dam
4. Air operated Three Way—Two Port Valve (furnished only for Two Bath Operation)
   Note: The above is furnished as an assembly mounted on structural steel base and attached to left side of machine. Three (3) inch solvent Drain Line connected from Washer-Extractor to the lint trap assembly.
5. Shell Door limit switch
6. Brake—air operated—for stopping and inching
7. Solvent Inlet Valves—air operated—two inch
8. Vent—two inch
9. Explosion Relief Door
10. Push buttons and magnetic Motor Starters
11. Western Eagle Fully Automatic Cycle Control
12. All automatic operations may be manually controlled if desired
13. Automatic Lubricator—Air Strainer—Reducing Valve—Pressure Gauge
14. Static Grounding Device
15. Machine mounted on structural steel base
16. Fabricated steel foundation template and hold down bolts

Western Eagle Models M-55 • M-155

MANUAL

1. Lint Trap
2. Dump Valve—manually operated
3. Solvent Level Control and Weir Dam
   Note: The above is furnished as an assembly mounted on structural steel base and attached to left side of machine. Three (3) inch solvent Drain Line connected from Washer-Extractor to the lint trap assembly.
4. Shell Door limit switch
5. Brake—air operated—for stopping and inching
6. Solvent Inlet and Vent—two inch
7. Explosion Relief Door
8. Push buttons and magnetic Motor Starters
9. Machine mounted on structural steel base
10. Static Grounding Device
11. Fabricated steel foundation template and hold down bolts

Automatic By-Pass furnished as an extra with above ground tank systems only.

Compare for Quality—Then Compare for Price

Accuracy of illustration and description of the product shown herein applies at the time of publication.

Get yourself this name for your water repellent-



Genuine "Cravenette"

When you tell a person you can treat their topcoats, jackets, or other garments with "*Cravenette*" water repellents they know what you mean. Why? Because for almost 70 years this first—and the original water repellent—has been in all the best of garments they have bought at their favorite stores. The "*Cravenette*" tag and label are among the most widely known of any that appear in wearing apparel.

If you want to sell more of your water repellent service the way to do it is to install the service that is known to the largest number of people and for which the largest number of people ask. It is this popularity—and attendant salability—that has caused more of the country's outstanding drycleaners to adopt this service than all others combined. In addition to the "*Cravenette*" fine name and reputation, you receive a water repellent of superlative quality—rated tops by the industry. Then there is available also a comprehensive set of sales aids to make your merchandising efforts effective. Write us for full information.

The Cravenette Company, U.S.A.

EIGHTH AND MADISON STREETS, HOBOKEN, N. J.

Since 1887 the world's leading producer of water repelling preparations for garment fabrics

THE CRAVENETTE COMPANY, U. S. A.
8th and Madison Streets, Hoboken, N. J.

Please send me full information concerning the "Cravenette" water repellent service for drycleaners.

Name _____

Position _____

Company _____

City _____ State _____

How To Trap For Greater Profit . . .

Typical Unit Trapping Piping Layouts

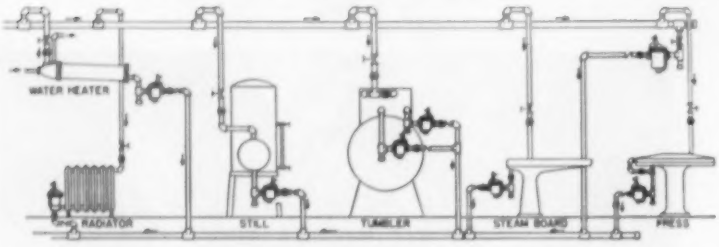


FIG. 1 Piping layout with return line below floor level.

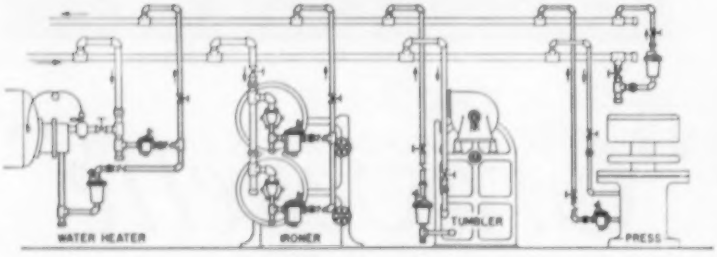


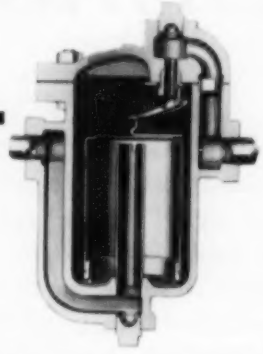
FIG. 2 Piping layout with overhead return line.

Proper trapping methods can increase your profits manyfold . . . and unit trapping is the only sure method of obtaining

1. **Maximum Production**
2. **Maximum Temperatures**
3. **Maximum Fuel Economy**

Unit trapping means simply *each* unit should have a trap. In both figures 1 and 2 a separate trap is used for each machine—and note that in figure 1, *each coil* of the tumbler is trapped.

Combining this method of trapping with high quality, low maintenance Armstrong traps will give you greater profits, year after year after year.



Armstrong low and medium pressure traps, that are recommended in the adjoining columns, have only two moving parts. All internal working parts are stainless steel or chrome steel. These mechanisms are identical in design, workmanship and materials to Armstrong forged steel traps used for 900 degree and 900 lb. pressure service. At 100-125 lbs. pressure they will work for many years with an absolute minimum of attention.



The 880-882 series traps are identical to the 800, 811 and 812 Armstrong traps but have built-in strainers. These stainless steel strainers (either perforated or wire mesh) keep any harmful foreign particles from interfering with trap operation. These traps cost less than traps and separate strainers, save on installation costs too.

RECOMMENDED TRAP SIZES TO USE

Presses and Other Small Units

Machine	Speed Service	Ordinary Service
Pony	No. 800	No. 800
27"–38"	No. 800	No. 800
40"–54"	No. 811	No. 800
Cuff	No. 800	No. 800
Collar and Cuff	No. 811	No. 800
Cuff and Gussets	No. 811	No. 800
Yoke	No. 800	No. 800
Single Sleeve	No. 800	No. 800
Double Sleeve	No. 811	No. 800
Double Sleeve Form	No. 800	No. 800
Collar Press	No. 800	No. 800
Body	No. 811	No. 800
Bosom	No. 811	No. 800
Steam Iron	No. 800	No. 800
Curtain and Blanket Dryers		
Horizontal	No. 811	No. 800
Vertical—		
2 draw	No. 811	No. 800
3 draw	No. 812	No. 811
4 draw	No. 813	No. 812
Hdchf. and Napkin Ironer	No. 811	No. 800
Hose Form	No. 800	No. 800

Dry Tumblers

Open End Type

Size	Speed Service	Ordinary Service
36" x 18" 36" x 24" 36" x 30"	No. 811 or 211 on each coil	No. 800 on each coil

Side Loading Type

36" x 48" 42" x 40" 42" x 60"	No. 813 or 213	No. 812 or 212
42" x 90"	No. 211	No. 213 or 813
42" x 120" 46" x 120"	No. 216	No. 215

UNIT TRAPPING CUTS COSTS

Dry Rooms

Length of Dry Room Pipe Coils that can be drained with Armstrong traps at steam pressure from 70 to 110 lbs.

Pipe Dia.	1"	1¼"	1½"	2"
No. 800	400'	240'	170'	105'
No. 211-811	500'	335'	235'	145'
No. 212-812	1000'	600'	425'	260'
No. 213-813	2000'	1200'	850'	520'

FOR COMPLETE DETAILS

Send For Bulletin 233 . . .

. . . trap sizes, dimensions and prices plus recommended sizes for flatwork ironers and water heaters are listed. User reports of savings and the more complete story on how you can save money by trapping with Armstrong is also included. Send for it—no obligation.



Armstrong Machine Works
850 Maple Street, Three Rivers, Michigan

Armstrong traps may be obtained through your local Armstrong Factory Representative, jobber or laundry and dry cleaning supply house. Order yours today.

TRY SPOT REMOVAL IN THE WHEEL*

by the **RSR**

PRE-SPOT RE-RUN METHOD

here's how simple it is...

FORMULA

Prepare a solution of

1 teaspoonful of RSR

1 teaspoonful of glycerine

½ pint water

This solution should be prepared fresh daily.

METHOD

Keep handy to inspection or spotting section in your plant ...then

1. Apply RSR solution to stain
2. Set aside for 20 minutes
3. Apply your leveling agent (dry type pre-spotter)
4. Run or re-run in drycleaning wheel

Most improved, most convenient and most economical method ever developed for removing spots and stains. Designed **especially for use with charged system cleaning.** Can be used with *any* moisture carrying soap cleaning system.

With this highly efficient RSR method, digestion of spots starts at inspection point or spotting board. Stains are removed in the dry cleaning wheel. This eliminates flushing, tamping, scraping, re-wetting of digester and the need for keeping garment warm.

*Be sure to write to us for your copy of **NATIONAL INSTITUTE OF DRYCLEANING Research Fellowship Bulletin No. F-15** describing in detail the RSR Pre-Spot Re-Run Method*

SACON
WATER SOLUBLE
SIZING

Re-size with SACON

a sure way to increase your share of the cleaning volume in your territory

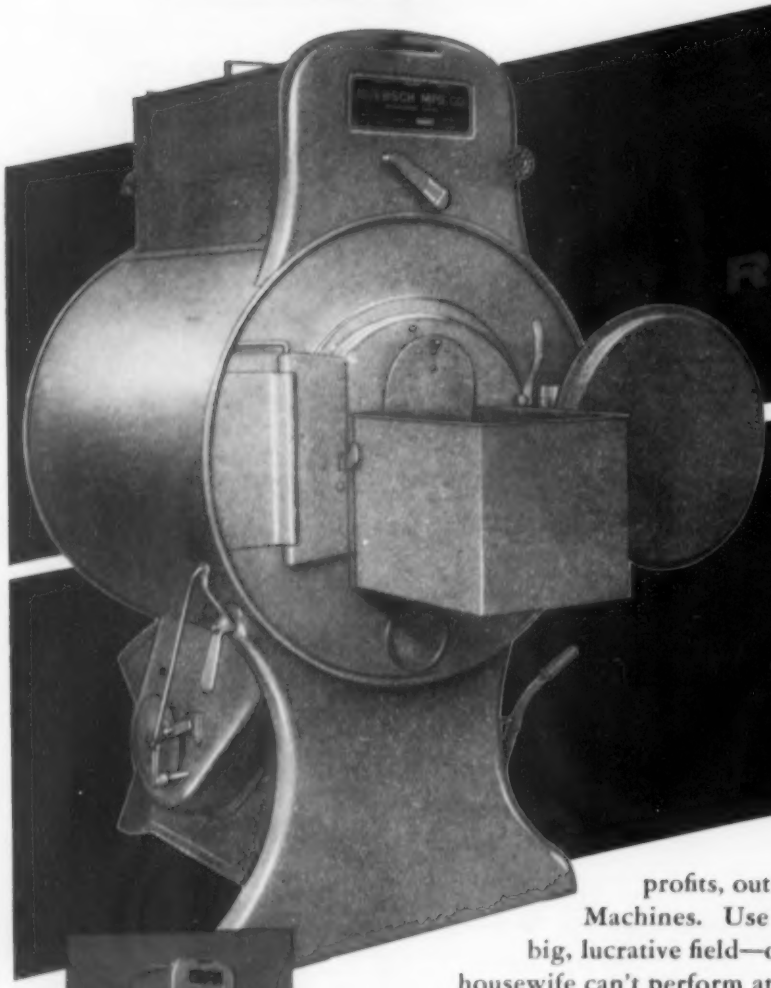
Send back cleaned garments with the original mill-like finish of the fabrics brilliantly restored. There's no surer way to build a reputation for turning out superior work...and for increasing sales.

a welcome new product of Wallerstein Research now available!

It's inexpensive...very easily applied on all types of fabrics... and it will be permanent for 8 to 10 drycleanings or washings.

WALLERSTEIN COMPANY, INC., 180 MADISON AVENUE, NEW YORK 16, N. Y.

2 for the price of 1



It's a PILLOW RENOVATOR

It's a DRYING TUMBLER

You get double duty, double profits, out of Huebsch Feather Renovating Machines. Use them to renovate pillows—it's a big, lucrative field—one of the few laundry services a housewife can't perform at home. By simply removing the hopper, you can use the same machine as a regular tumbler . . . for fast, efficient, economical drying.

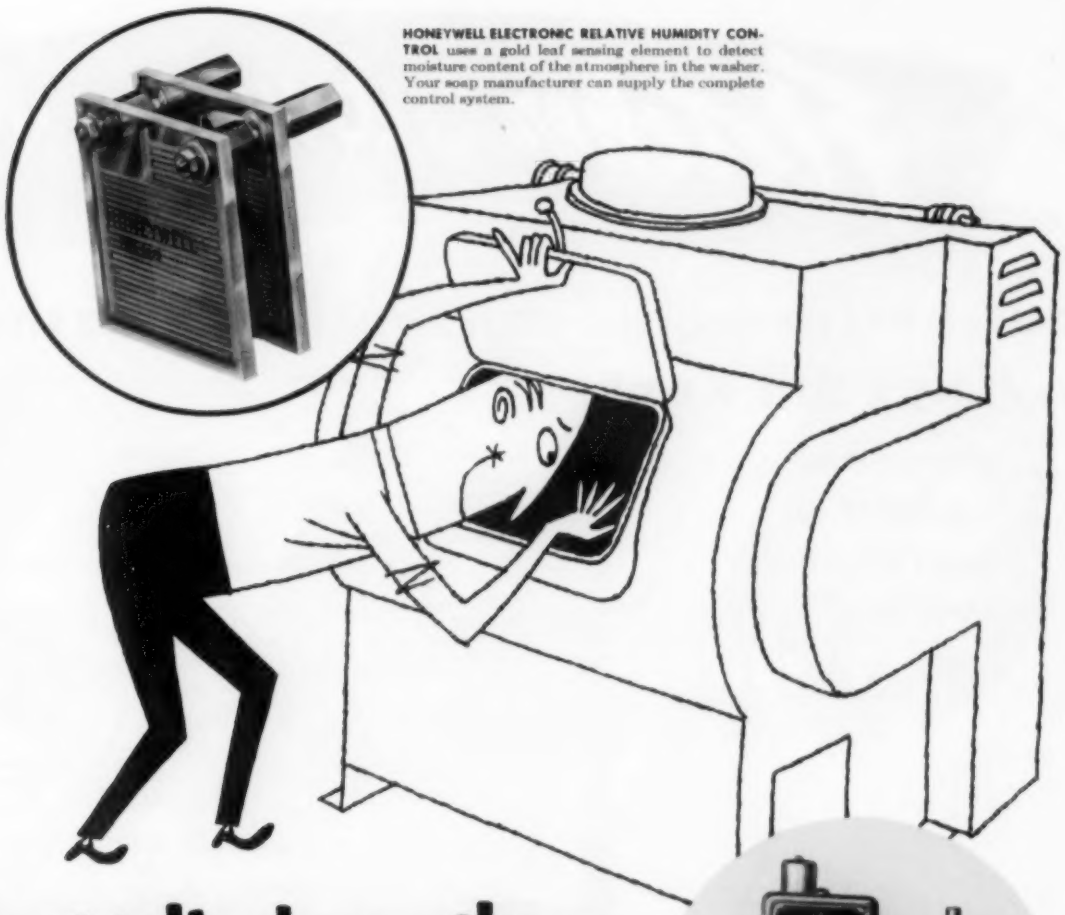
Hundreds of laundries are now using Huebsch feather renovating equipment—using it two ways—and they will tell you it's the best equipment investment they ever made. Write today for full information.



Shown above is the Huebsch Feather Renovating Machine with hopper removed for use as a drying tumbler. Another model is available with a separate feather transfer unit, for speeding up processing operation.

HUEBSCH

HUEBSCH MANUFACTURING COMPANY
3775 N. HOLTON STREET • MILWAUKEE 1, WISCONSIN



HONEYWELL ELECTRONIC RELATIVE HUMIDITY CONTROL uses a gold leaf sensing element to detect moisture content of the atmosphere in the washer. Your soap manufacturer can supply the complete control system.

Controlled weather

inside your washer gives you top quality cleaning

How would you like to get consistently high quality cleaning . . . with bright colors, no shrinkage or piling, no need for spotting . . . every day in the year?

Close control of humidity and solvent temperature is what does the trick. Put this team of Honeywell controls to work on your washer, and you're sure of getting the kind of cleaning quality that keeps customers, builds business and prevents costly damage claims.

Developed by Honeywell, the world's leading manufacturer of controls, these two systems can be applied to any washer, any solvent, any charge soap you're using. For complete facts, just fill out and return the coupon.

MINNEAPOLIS **Honeywell**

112 Offices Across the Nation

H HONEYWELL *First in Controls*



HONEYWELL TEMPERATURE CONTROL keeps solvent from getting too cold to remove water solubles . . . too hot to cause bleeding and shrinking or to create fuming and fire hazards. Specify a Honeywell system when you buy a solvent cooler or heater.

Minneapolis-Honeywell Regulator Co.
Control Devices Division, Dept. ND-7016
Minneapolis 8, Minn.

Please send me data on ☐ Honeywell Temperature and ☐ Electronic Humidity Control for my washer.

☐ I have a solvent heater; ☐ Manual control; ☐ Automatic control.
☐ I have a solvent cooler; ☐ Manual control; ☐ Automatic control.
I'm now using ☐ synthetic or ☐ petroleum solvent with soap.

Name_____

Address_____

City_____ Zone_____ State_____

Fletcher "FLOW-CLEAN"

out-performs the conventional washer ...says Bill Kent

owner and operator of Kent Cleaners Feasterville, Pa.

April 15, 1955

Fletcher Works, Inc.,
Glenwood Ave. & 2nd St.,
Philadelphia, Pa.

Gentlemen:

Our FLOW-CLEAN machine was installed during the first week of July 1954.

The machine has done a wonderful job. The cleaning looks and feels better than in our standard washer. In fact, we are more than pleased with its all around performance.

We are located in a residential area and the machine does not disturb the neighbors with noise or vibration.

It is very fast on production. In fact, we had to purchase another 100-lb. tumbler to keep in step with its speedy, efficient performance.

An outstanding factor is its flexibility. The work can easily be classified. We operate with various weights of loads, all weighed on a scale from 30 to 100 lbs. At times we mix colors and textures of garments, but sort for tumbling.

As the machine is static free, we do not lint the garments.

Due to the different speeds of agitation, we can control the speed for various types of work. For example; we can BEAT the dirty trousers and in another load treat the most delicate fabrics with the GENTLEST of agitation.

We clean quite a number of felt hats and the machine is wonderful for this application.

A feature we especially like is we have not brushed trouser cuffs in months. The machine takes out more dirt than a cuff brusher.

Needless to say, we are sold on the FLOW-CLEAN and highly recommend it to anyone.

We are FLOW-CLEANING with a FLETCHER in '55.

Sincerely,

William A. Kent

William A. Kent



Find out for yourself more about this revolutionary washer-extractor combination. Write today for the illustrated Bulletin 83—There's no obligation, of course.

"Flow-Clean with Fletcher in '55"

FLETCHER WORKS

213 GLENWOOD AVE. **PHILADELPHIA 40,** ESTABLISHED • 1850


Now you see it
Now you don't!
STAINS VANISH INSTANTLY
with this INDISPENSABLE TRIO
STRIP STICK
RUSTICK
JIFFY STICK
An ideal method for removing Stubborn Stains!
• Dye Stains • Rust Stains • Iodine Stains
• Fruit Stains • Ink Spots • Beverage Stains
• Numerous others of Nondescript Origin
Get This Informative Book FREE... clarifies some of the general chemical principles of stain removal and gives you sound technical tips on safe spotting for fabrics. Write for your copy now!
ORDER FROM YOUR JOBBER!
NATIONAL
NATIONAL CLEANERS CHEMICAL MFG. CO.
2807-11 WEST LAKE STREET • CHICAGO 12, ILLINOIS
Manufacturers of Nationally Famous WPR

WARNING!

Be Sure YOU Buy the

One Machine that will do ALL

(Not part, but ALL)

Your Blind Stitching and Alteration Work

HEMMING — REINFORCING — FINISHING with greatest speed and economy on ALL materials.

No machine is a bargain unless it can be used —

U. S. Model 518-2

is made especially for the Dry Cleaning Industry. It has been perfected to meet YOUR problems. It will pay for itself many times over

Hems skirts, dresses, coats, coat linings, cuff bottoms, draperies and curtains.

Dial regulates proper needle penetration for any type material.



U. S. Model 518-2

SEE THE U. S. FIRST!

U. S. BLIND STITCH MACHINE CORP.

312 SEVENTH AVE. LA. 4-9144 New York 1, N. Y.

Ready to Break All Records!

The All NEW

Bill Glover SILK FINISHING UNIT

AVAILABLE MANUAL OR AIR OPERATED



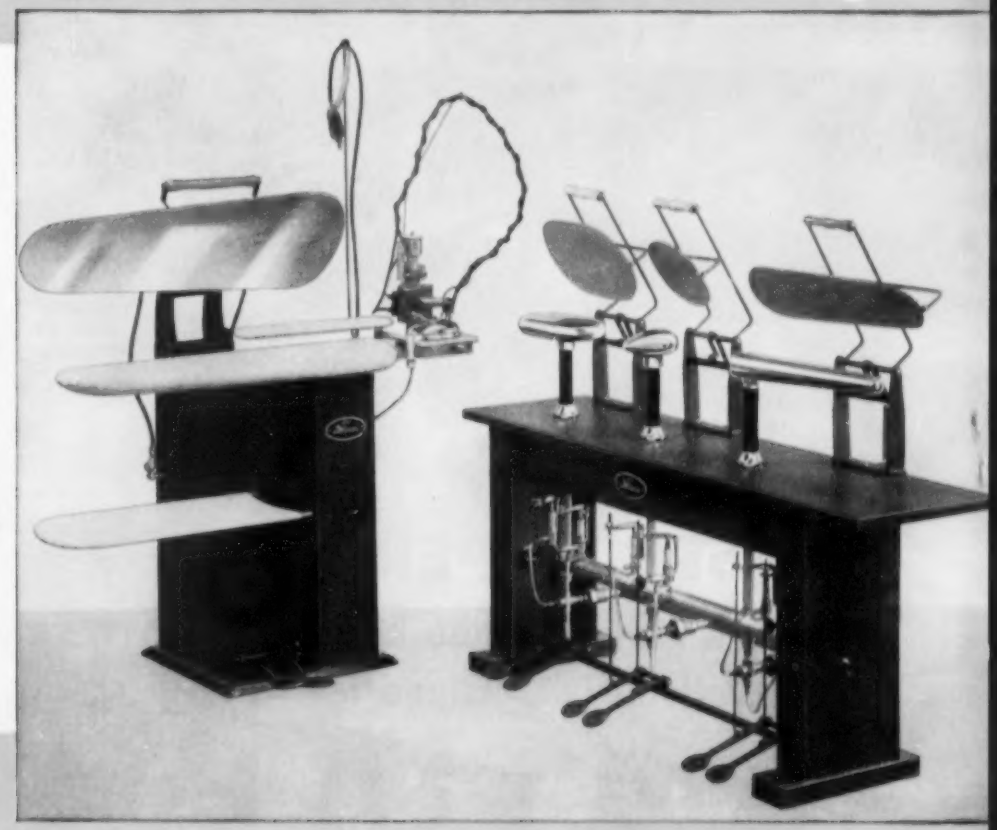
3 times FASTER!



3 times EASIER!



3 times BETTER!



for More Quality Work . . . Greater Production . . . Bigger Profits!

Stronger vacuum positively locks head, assuring adequate pressure for hard to finish fabrics

Once you see it . . . once you try it . . . we believe you'll agree that here is the unit that has *everything* you've ever wished for in a finishing machine. Compact and easy to operate, this new Glover Unit speeds production, turns out more quality work with less strain on the operator.

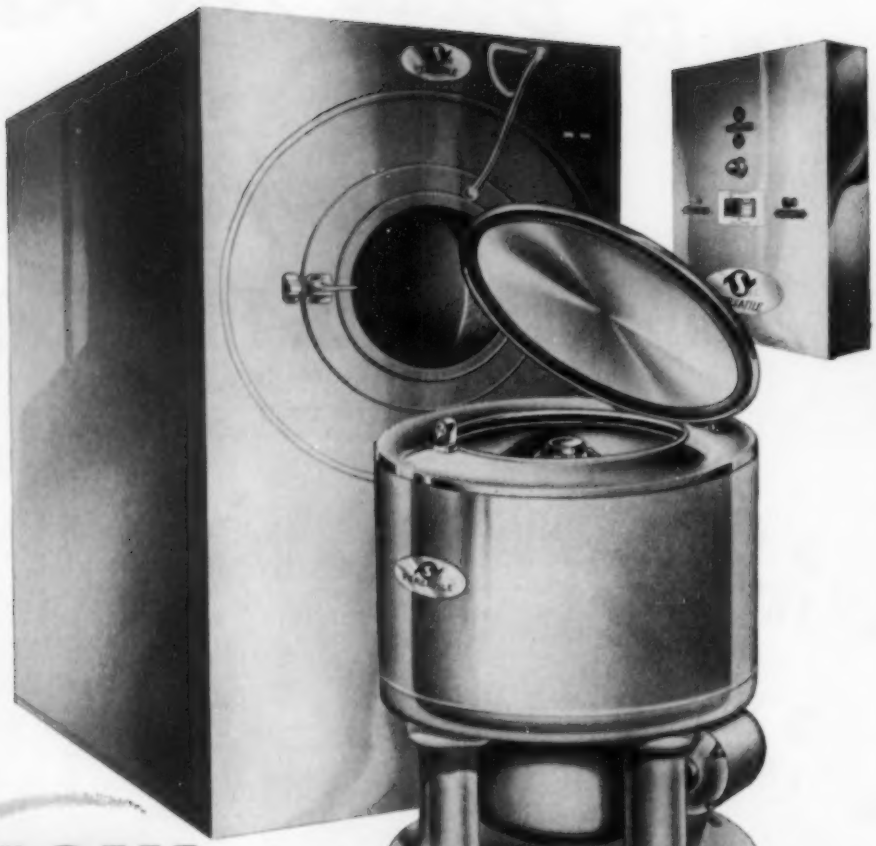
Everything's at your finger tips . . . all-in-one . . . steam-vacuum board, hot head press, ironing board . . . complete utility. Fabric head puffers give fast finishing of hardest materials.

Standardize your plant by making every unit a Glover unit . . . handle every type of garment . . . no more classification . . . no more wage differentials. Profit from more piece handlings per hour. Less floor space required. Get ALL the facts on this record-making Unit!

Write, Wire or Call us for information or location of your nearest jobber . . .

Bill Glover, Inc.

5204 Truman Road • Kansas City 27, Mo.

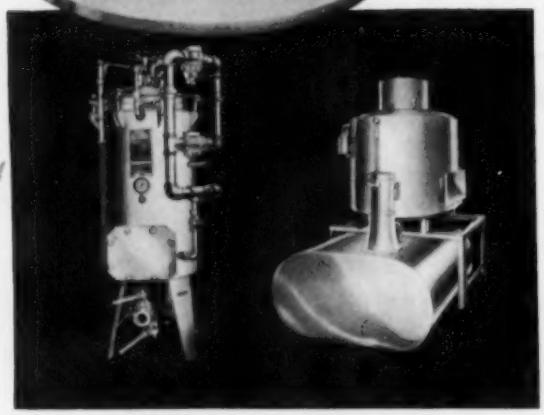


NOW SEC SUPER VERSATILE

Available in 2 Capacities

BJ 150 lbs.

CJ 80 lbs.



Both a Miracle of Speed . . . Quality . . . Economy & Efficiency

Now to meet your specific volume requirements are two models of the Sec Super Versatile . . . a totally new and revolutionary synthetic drycleaning system. No other cleaning system offers you so much both now and in the future.

Write today for the new catalogue, Sec 4U, and get all the facts on Sec's faster washing action . . . revolutionary soap system . . . more effective solvent conditioning . . . and unsurpassed economies. Write today and find out how you can increase your capacity as needed . . . get more valuable working area . . . increase your efficiency . . . and build up your bank balance.

Just drop us a post card . . . and by return mail you will have all the revealing facts on why your best bet is a Sec Super Versatile cleaning system.

CLEANING SYSTEMS

Sec-o-matic Division, International Projector Corp.
55 La France Avenue, Bloomfield, N. J.

A SUBSIDIARY OF GPE GENERAL PRECISION EQUIPMENT CORPORATION

Write, Wire or Call us for information
or location of your nearest jobber . . .

Bill Glover, Inc.
5204 Truman Road • Kansas City 27, Mo.

Simplified Spotting Chart

RED background for WET spotting
Rinse or feather with water or steam gun

BLACK background for DRY spotting
Rinse in solvent with filter circulation

GROUP A

Albumen
Blood
Discharge
Food, starch, sugar, sweets
Glue
Ice Cream
Mud
Perspiration
Water marks

Protein formula
11 parts MULSOLITE
1 part 26° AMMONIA

Prespotter
1 part CYCLO or 886
1 part SOLVENT
1 part WATER

Powdered digester
R.S.R.
Mfd. by Wallerstein Co.

GROUP B

Beer
Coffee
Dye stains
Fruit juice
Grass stains
Liquor
Medicine
Soft drinks
Tea

Tannin formula
1 part MULSOLITE
1 part GEN'L FORMULA No. 209

Powdered stripper
STREEPENE
for whites only

GROUP C

Inks

Tannin formula
alternated with
Protein formula

Straight Pyratex
Marking and ball pen ink

Streepene
for whites only

GROUP D

Rust
AND OTHER
IRON
COMPOUNDS

Erusticator
Mfd. by Penn. Salt Mfg. Co.

Tannin formula
for weighted silks

Streepene
for whites only

GROUP E

Asphalt
Bottom streaks
Grease
Oil
Paint
Pitch
Tar
Varnish

Dry spotter
1 part PYRATEX
1 part SOLVENT

Wet spotter
1 part PYRATEX
1 part WATER

Dry spotter
1 part CYCLO or 886
2 parts PICRIN

Volatile-dry
Straight PICRIN
for touch-ups

GROUP F

Collodion
AIRPLANE DOPE
ENAMEL
LACQUER
NAIL POLISH
NEW SKIN
Lipstick*
Rouge
Shoe polish

Wet spotter
1 part PYRATEX
1 part WATER

*Lipstick and rouge are dissolved

Collodion remover
Straight PYRATEX

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Only CAL'S CHARGE

GIVES YOU ALL THESE ADVANTAGES



1 MOISTURE CONTROL
It's complete and automatic with Cal's Charge. The moisture from your wet stock goes to each load, and is GONE with each load. And dry charge is left behind for loads which need dry action.

2 NO "PROBLEMS" AT ALL
No static or lint problems, no wrinkles, no odor or harshness. No pressure. No soap stains or oily feel. No "grief" with Cal's Charge!

3 SIMPLER CLASSIFICATIONS
You get complete soil removal with Cal's Charge. Do-overs and wetcleans are mighty few. And Cal's Charge takes out spots right at the wheel.

4 BETTER LOOKING GARMENTS
With Cal's Charge, fabrics will retain their new-looking texture. Whites will stay true and colors come back to life. You KEEP your customers!

5 AND FAR LOWER COST!
Cal's Charge stays in the system, so you have no loss of soap, no loss in cleaning efficiency. More important still, 1½% is enough! . . . 1½% CAL'S CHARGE ACTUALLY OUT-CLEANS MANY 3 to 4% CHARGES!

"Better Cleaning Through Better Products"



CALED

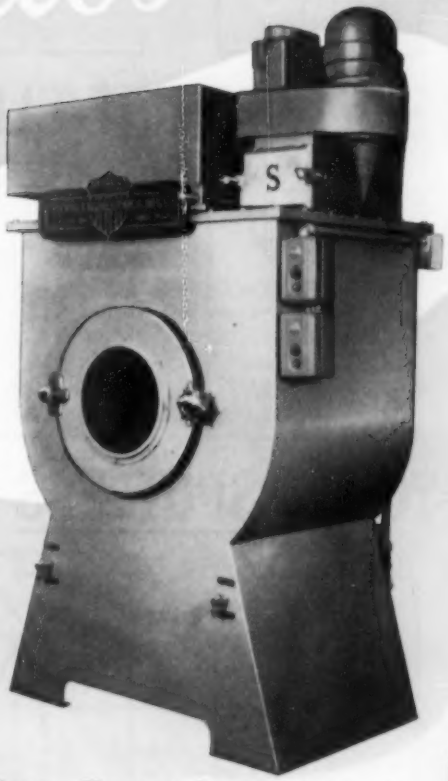
PRODUCTS CO., INC.
BRENTWOOD, MARYLAND

Copyright 1952, R. R. Street & Co., Inc., 561 W. Monroe St., Chicago 6, Ill. SSC 23

THERE'S NOTHING FINER THAN A

Shields SOLVATROL

(RECLAIMING UNIT)

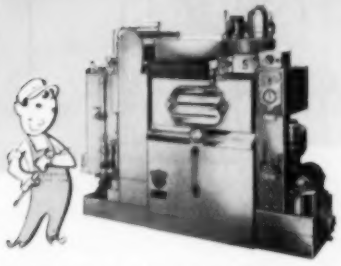


SHIELDS Solvatrol is the most outstanding recovery unit in the dry cleaning industry. Exclusive engineering features, solid construction throughout provide efficient, trouble-free, economic operation.

SHIELDS Solvatrol Reclaimer can be combined with any standard "hot" or "cold" synthetic unit. For EXTRA ECONOMY — it reclaims six quarts or better of solvent for every 50 pound load of garments.

Note: Unit can be taken through 35" door opening.

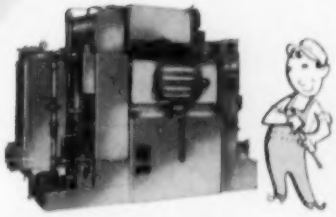
TOP CAPACITY—50 lbs.
TOP SPEED—3 loads per hour.



SHIELDS Synthetic "Cold" Unit . . . faster, more thorough, automatic dry cleaning at less cost per hour.

Meets Every Requirement of the Modern Fast-Operating Dry Cleaning Plants

With 40 years of engineering leadership and craftsmanship SHIELDS installations surpass all standard requirements of the modern fast operating dry cleaning plant.



SHIELDS R-51A Champion Perchlor Dry Cleaner washes, extracts, dries in one continuous operation.

Backed by 40 years Engineering Service and Experience

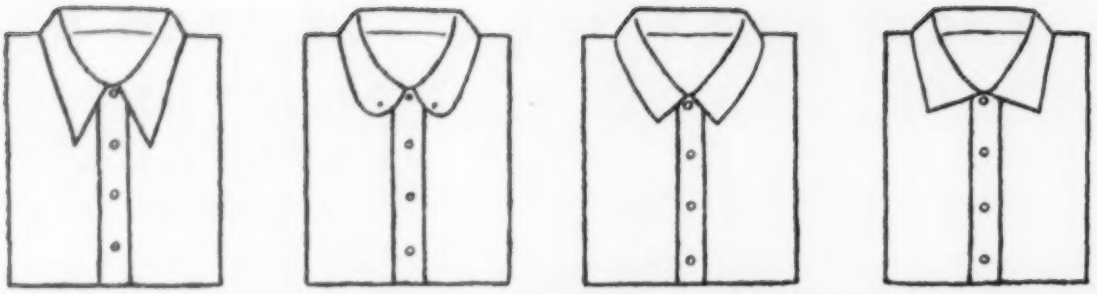
Clip and Mail, Today!

SHIELDS ENGINEERING & MANUFACTURING CO.
277 East 156th St., Cleveland 10, O.

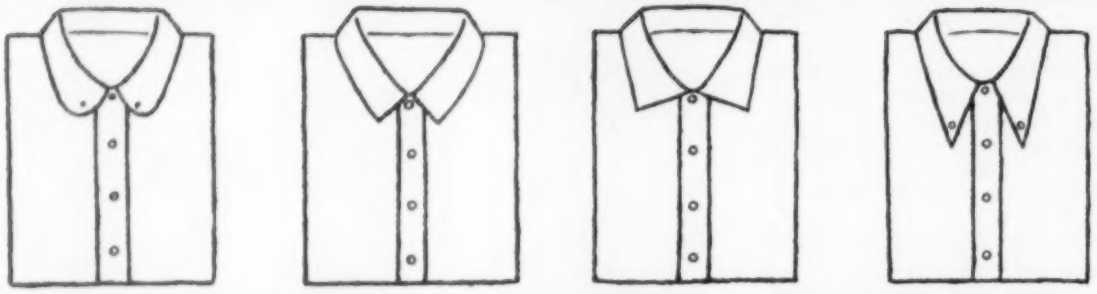
SHIELDS ENGINEERING AND MFG. COMPANY
277 East 156th Street **Cleveland 10, Ohio**

☐ SHIELDS Solvatrol ☐ SHIELDS "Cold" Unit
☐ SHIELDS R-51A Champion ☐ Please have your representative call

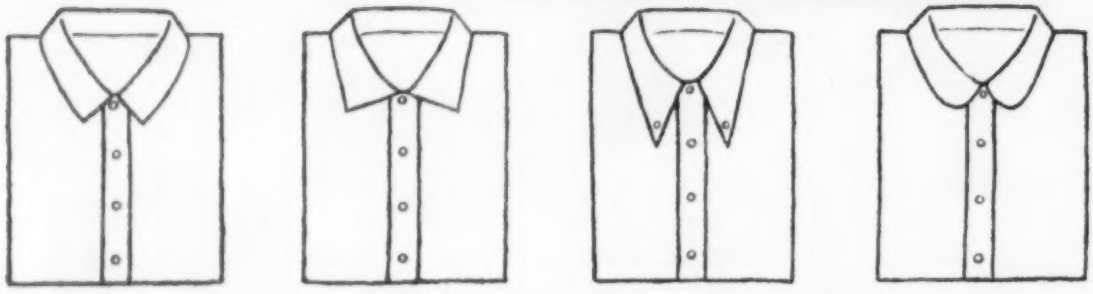
NAME_____
COMPANY_____
STREET_____
CITY_____ ZONE_____ STATE_____



KOHNSTAMM'S NEW SHIRT-CLEANING SERVICE



ASSURES YOU A SPOTLESS REPUTATION!



HERE'S WHY...

SPOTLESS WHITE WASHING!

Amazing H-K Shirt Short Formula produces superior quality at a low cost for small wheel operators.

PERFECT FINISHING!

Only Kohnstamm offers the nationally famous combination of RESILLO—FLAMONEL—and THERMOTEX for padding shirt presses...and no other combination can match these three for the finest, smoothest finish and the most economical shirt production.

Ask your representative to show you the *proof of superiority* in shirts laundered the Kohnstamm way.

ESTABLISHED 1851

H. Kohnstamm & co., inc.

- NEW YORK 7, 89 PARK PLACE
- CHICAGO 11, 11-13 E. ILLINOIS ST.
- LOS ANGELES, (P.O. Address) 2632 E. 54 ST., HUNTINGTON PARK, CALIF.



ALBANY • ATLANTA • BALTIMORE • BOSTON • BUFFALO • CINCINNATI
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MINNEAPOLIS • NEW ORLEANS • OMAHA • PHILADELPHIA
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FOREMOST MANUFACTURER AND DISTRIBUTOR OF QUALITY LAUNDRY AND CLEANING SUPPLIES

PARA-LUX



Holds up to 12 neckties by tension without wrinkles or pin holes. Preserves perfect finishing.

TI-RAK



Keeps ties safely protected over Ti-Rak. Fine quality, heavy white kraft with sales-compelling message.

TI-BAG



Allows easy separation of garments on racks, either alphabetically or numerically. Hangs on racks just like garment hangers.

RAK GUIDE



HANGER COVERS

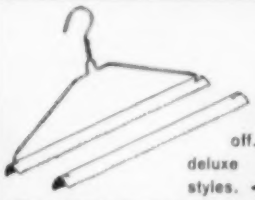
Scientifically designed to create a cushion of air at neck and shoulders, thus fully protecting the final pressing operation. Self-sealing. No pins or staples required. Cannot fall off hanger. Quick, simple to use. Available with individual

PARA SEAL



Holds belts or single neckties firmly in place without pins by locking securely in place over hanger hook.

BELT ZIP



No lint rubs off. Standard and deluxe styles. Slotted ends fit all standard size wire hangers. Holds trousers smooth.

TROUS GARD



GARMENT HANGERS

Non-Shift is the original square top wire garment hanger. It is stronger to hold all types women's and men's garments. It anchors the garments in properly concealed position, protects careful finishing and holds proper shape at all times.

NON SHIFT

Packaging helps for extra repeat business!

Perfect service demands perfect packaging. And you are certain of perfect packaging and proper protection for your services when you use PARA-LUX *Packaging. Leading dry cleaners and launderers have found that* PARA-LUX *helps to build extra business, too. Let us send you samples and prices on timely, effective, colorful, sales-promoting* PARA-LUX *packaging specialties. You'll soon learn the difference at your own cash register!*



COLLAR SUPPORT

Greater operator output is easy with this amazing collar support that prevents distortion and breakdown of collar. It is quickly inserted inside the collar band to remain in four-way, locked position.

WING LOCK

Lincoln Bag Company, Inc.

Para-Lux Products Company

4211 WEST SCHUBERT AVENUE • CHICAGO 39, ILLINOIS

PACKAGING

That Quality Look...

CUSTOMERS WILL PAY FOR!

Prosperity quality in shirt finishing forms the foundation for greater laundry and cleaning volume.



PROSPERITY 2-GIRL CABINET SHIRT UNIT

Six, one-operation machines balanced for 2-girl operation. Unsurpassed quality finishing. Production up to one hundred shirts per hour. Simple operation for training.

The PROSPERITY Company Inc.



An extremely important message to users of

CONVENTIONAL PETROLEUM EQUIPMENT

You know that a 4% super charge cleans better than a mild charge.

You know that if all the 4% charge were left in the fabrics, too much non-volatile matter would remain after drying.

And you know that if the fabrics were cleaned in one washer with 4% charge, and then removed to another washer for rinsing in pure solvent, the cost in time, labor and equipment would be prohibitive.

STREET'S EXTRACTOR-RINSE PROCESS solves your problem. With your present washer and extractor, *and with no additional transfer of fabrics*, you may enjoy all of the advantages of the 4% super charge without leaving an excess of oily matter in the fabrics.

Extractor-Rinse not intended to rinse dirt

Some misinformed individuals have completely muffed the real function of the EXTRACTOR-RINSE. Haven't you heard comments like this: "*The garments nearest the side of the extractor catch all of the dirt.*" Such reasoning is preposterous when considering the fact that garments removed from a full run in 4% are immaculately clean and completely free of dirt particles, all of which have been deposited on the 4% filter. In fact, other soap makers stop right there, and recommend conventional extracting and drying without further treatment.

The EXTRACTOR-RINSE is an added step for the sole purpose of diluting the oily matter left in the fabrics after cleaning. It is merely insurance against swales, streaks and spotting rings, and has nothing to do with the rinsing of insoluble dirt, every trace of which has been previously removed in the 4% solution and deposited on the filter precoat.

Proof that the Extractor-Rinse dilutes the 4% solution

Other prejudiced observers, piqued by the success of the EXTRACTOR-RINSE PROCESS in over 1200 of the nation's outstanding plants, tell you that STREET's method of spraying pure solvent into the fabrics during extracting does not actually dilute the 4% solution which remains in the fabrics after the initial extracting.

You can disprove this contention to your own satisfaction by simply testing the rinse solvent with STREET's S.S.S. TEST KIT.

Although most of the 4% solution is returned to the charged system during the initial extracting, approximately 2½ gallons of 4% solution remain in the fabrics for each 100 pounds of fabrics extracted.

Then, when the pure solvent is pumped through the spray unit, the valves are changed so that this solvent is diverted to the rinse system instead of the charged system.

Use of your test kit will disclose a rapid build-up of 886 in the rinse solvent, which proves conclusively that the EXTRACTOR-RINSE has served the intended purpose of diluting the 4% solution remaining in fabrics after the initial extracting. That is why we recommend distillation of approximately 17 to 20 gallons of rinse solvent for each 100 pounds of fabrics.

Staff of trained technicians at your service

The inventors of EXTRACTOR-RINSE employ a staff of technicians trained in this specialized field.

This staff enjoys the "*know-how*" and experience which comes from over 1200 successful installations in America's leading plants.

You may make a profit on this experience by asking STREET's to engineer an economical EXTRACTOR-RINSE installation in your plant.

Copyright 1954 XR-217

STREET'S EXTRACTOR-RINSE

makes you eligible for



electronic Conductivity Control...

which in turn provides for



safe elimination of wetcleaning...

which pays off in

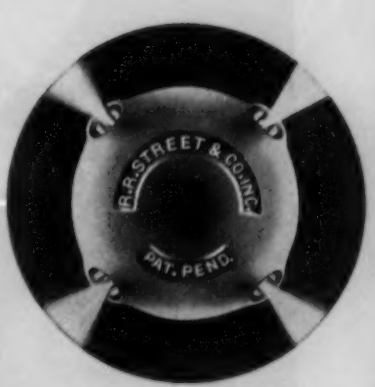


more money in the bank

resulting from substantial reduction in production costs.

GO MODERN

Install Street's Extractor-Rinse Spray Unit...



...dilutes the 4% charge from cleaned fabrics.

* PATENT PENDING

For details, write

R. R. STREET & CO. INC.

561 W. Monroe St. Chicago 6, U. S. A.



Customers smile like this...when you deliver shirts washed with

OZONITE

Ozonite does a cleaning job on shirts that's simply *unbeatable.* More and more dry cleaning plants with shirt washing facilities are confirming this fact every week.

Ozonite's formula is unique. It's a complete soap —a scientifically balanced blend of top grade soap and selected builders. For many years Ozonite has had an enviable record for getting shirts spotlessly clean . . . maintaining their whiteness . . . safeguarding their useful life.

For sparkling shirts that make customers smile with approval, try Ozonite. You'll be glad you did.

Procter & Gamble

BULK SOAP SALES DEPT. . . . Cincinnati, Ohio

SEND GARMENTS FOR DYEING TO

ALMORE DYE HOUSE

4412 WENTWORTH AVE., CHICAGO 9, ILL.

Leon Teichner, *President*

Continuously in Business since 1919

The Dyeing Name of Undying Fame

ELCCO-MATIC PRESSES
UTILITY PRESSES
OFFSET PRESSES
BUCK BOARDS
SPOTTING BOARDS
FINISHING BOARDS
FABRIC HEAD TOPPERS
PUFF SETS
FABRIC HEAD PUFF SETS
ELCCO-ETTES



ONLY Elcco BY IMCO

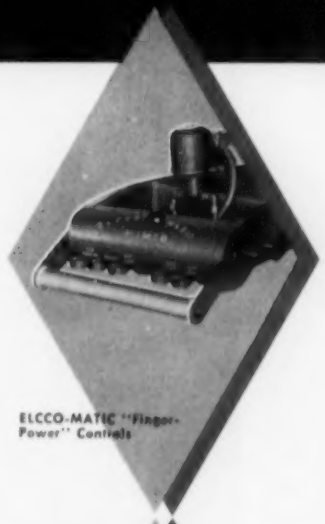
offers you these outstanding features for greater dry cleaning profits

ELCCO-MATIC "Finger-Power" Operation

"Finger-Power" controls, an exclusive ELCCO feature, give you a faster press with less physical effort. This means less operator fatigue and more production. And "Finger-Power" operation is so simple that even beginners will do professional work with only minimum training!

New Stainless Steel Head

Here's the completely corrosion resistant head you've waited for! With this new stainless steel head developed by IMCO you can forget about corrosion problems. In addition to this it has tremendous tensile strength for sturdy, lifetime durability — yet advanced design makes it as light as comparable cast aluminum heads.



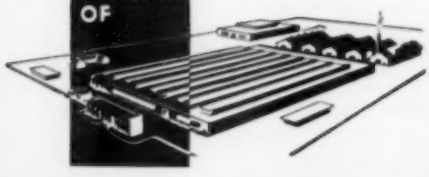
ELCCO-MATIC "Finger-Power" Controls



ELCCO Stainless Steel Head Cross-section

You'll find many other advanced features like these in the complete ELCCO line of fine dry cleaning equipment. So remember, bigger profits start with more production and less overhead — you get all three when you choose ELCCO products, made by IMCO. See your nearest distributor, or write direct today to

ELCCO DIVISION OF



INTERCONTINENTAL
MANUFACTURING COMPANY, INC.
GARLAND, DALLAS COUNTY, TEXAS

E L CCO IMCO

Operate With

*MINIMUM TEMPERATURES

*MINIMUM TUMBLING TIME

—Standardize on

STOD-SOL

The Nation's Leading Drycleaning Solvent!

APCO
PETROLEUM PRODUCTS

140-F.

PRODUCERS REFINERS
Anderson-Prichard Oil Corporation
OKLAHOMA CITY, OKLA.

BRANCH OFFICES IN ALL PRINCIPAL CITIES

doing what comes naturally!



HIGHER OUTPUT EXCELSIOR UNITS
utilize normal motion of Operators!

Try this when you're ready for a new silk finishing unit:

Study the construction, layout and general utility features, then *test run* several garments and you'll find that everything is made and positioned for the *natural habits of the operator.*

Figure what this means to you in higher production and quality; easy operator training and less fatigue. Excelsior units have years of operator motion study and unsurpassed performance proved in thousands of hours of plant operation.

Look Excelsior over . . . test run it yourself . . . you'll find out why plant-owners call it the greatest all-around silk and utility finishing unit.



NEW, PACE-SETTER FEATURES!

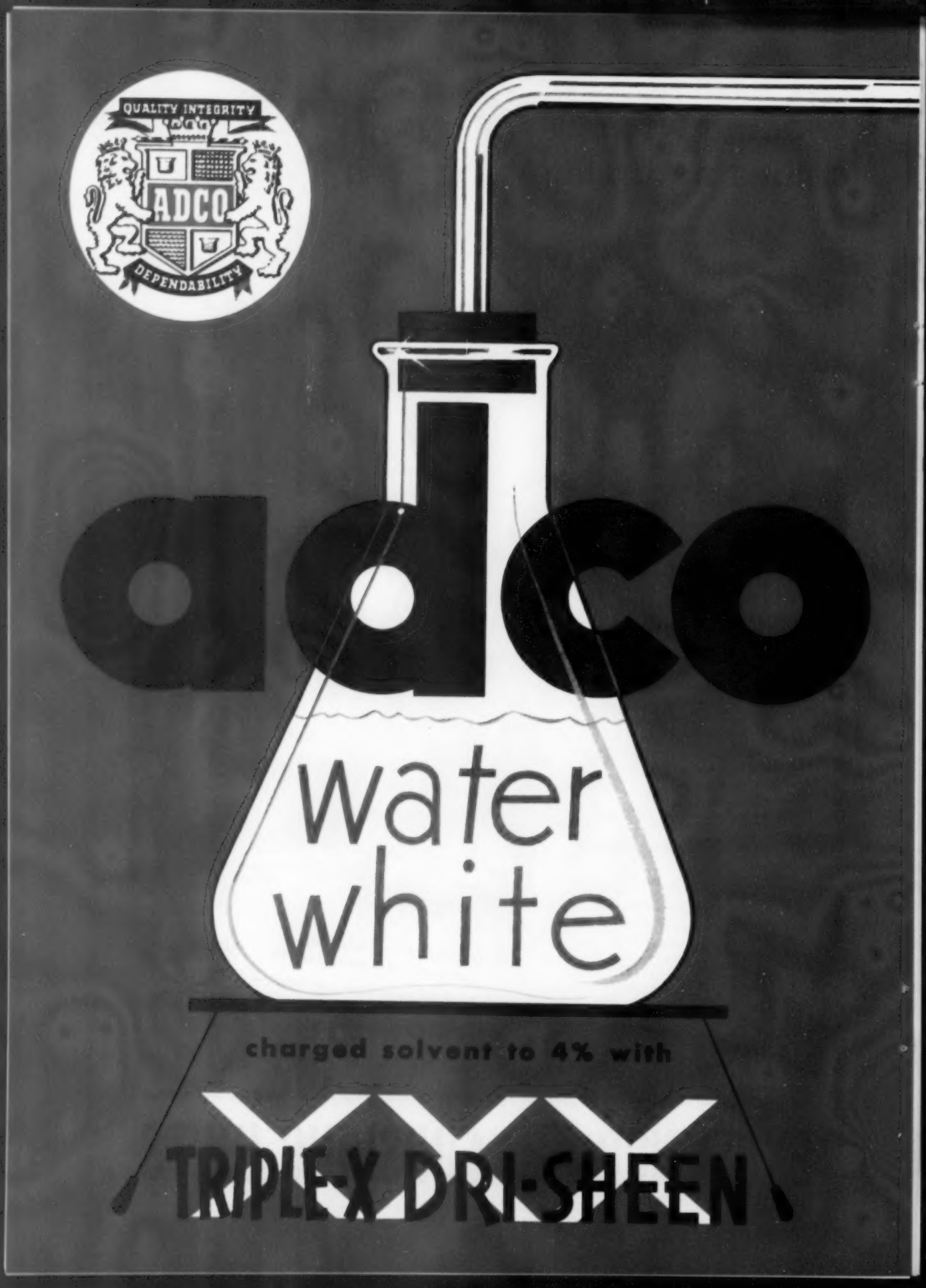
Ask your Excelsior distributor to show you all the great new features of the famous Model "300" Offset Press* and the Model "200" Puff Iron unit.

Offset Press available in air-operated or manual models

Send for information and literature today!

Excelsior Machinery Company 1452 Randolph Street, Detroit 26, Michigan

EXCELSIOR ONE-GIRL FINISHING UNITS


QUALITY INTEGRITY
ADCO
DEPENDABILITY
adco
water white
charged solvent to 4% with
XXX
TRIPLE-X DRI-SHEEN

If your charged solvent is dark-

YOU ARE USING AN OBSOLETE CHARGE SOAP!

1. **It is no longer necessary to have dark solvent with the charge system when Adco's Triple-X Dri-Sheen is used.** IT IS NOW POSSIBLE TO MAINTAIN CLEAR, PRACTICALLY WATER WHITE SOLVENT EVEN WITH A 4% CHARGE!

2. **Why this is possible....**

A. **Triple-X is the color of honey, and in a 4% charge is practically water white! No dark, old type bases used to blacken your solvent. In addition having water white charged solvent allows your dry-cleaner to accurately tell even in a 4% charge when all the dirt has been removed and the load is cleared up. Also in case of discoloration due to fugitive dyes you can immediately detect it and do something about it.**

B. **Triple-X only very slightly affected by Darco or sweetener powders due to its complete solubility. This means . . . you can maintain the light color of your original charge . . . by use of Darco and sweeteners at no increase in cost over your present operation where Darco and sweeteners remove much of your charge resulting in excessive operating costs.**

C. **The use of Darco and sweeteners in your charge solution means** YOU CAN HAVE CLEAN MOISTURE IN YOUR CHARGE, MOISTURE WHICH IS NOT FULL OF DIRT AND IMPURITIES TO BE TRANSFERRED TO THE GARMENTS BEING CLEANED. **When this happens you get greying and generally poor cleaning as this** DIRTY WATER CANNOT BE RINSED OUT WITH SOLVENT, **no matter how clean your solvent may be!**

D. **Maximum results with the 4% charge can only be obtained when your 4% charge is kept completely free from color and impurities!** DUE TO EXCESSIVE COSTS...(YOUR LOSS OF SOAP BY REMOVAL THRU USE OF DARCO AND SWEETENERS WITH OLD TYPE CHARGE SOAPS) THIS IS POSSIBLE ONLY WHEN TRIPLE-X DRI-SHEEN IS USED.

E. **To prove the above claims we suggest you have swatch tests made on your present charge operation. Then have the Adco dry cleaning technician in your area install, at no charge until our claims are proved to your satisfaction, the Dri-Sheen process with Triple-X Dri-Sheen. Then, again have swatch tests made.** THE COMPARISON WILL AMAZE YOU!

TRIPLE-X

WORKS PERFECTLY IN ALL TYPES OF AUTOMATIC RELATIVE HUMIDITY CONTROL INSTRUMENTS!

Adco, INC., SEDALIA, MO., U. S. A., *Manufacturing Chemists since 1908*

the better the soap - the better your cleaning - the happier your customers!

It's Easy...

to Get the MOST Out of this Can!



Packed only in five-pound, friction-top, lithographed cans, to insure high-oxygen-content material at all times.

"Most" is the *highest available oxygen content.*

When you use Eaton's Century Brand Sodium Perborate, you get a gentle, slow impartation of oxygen to the wool goods you are treating. You get the regenerative action which is so desirable . . . bleaching, and bringing back the soft, springy feel and original degree of whiteness your customers want in their woolens.

Century Brand Sodium Perborate is produced with the *highest possible available oxygen content.* That's why this can gives you the "most". It's specially designed to seal in this oxygen content, and keep it available for your benefit.

Don't compare Eaton's Century Brand Sodium Perborate with commercial grades packed in barrels, kegs, cartons, and paper bags. Century Brand is manufactured and packed especially for the dry cleaning industry. Its purity and effectiveness are sealed in this can. Keep it sealed . . . and you'll always get the "most" out of it.

Order from your distributor *today!*

WHY EXPERIMENT—USE EATON PRODUCTS

EATON CHEMICAL AND DYESTUFF COMPANY

Established in the year 1838

1490 Franklin St., Detroit 7, Michigan

Canadian Plants: Windsor and Toronto

McKague Chemicals Ltd., Distributors in Eastern Canada

Another Dry Cleaner Inaugurates Quick-Wash Service with UNI-MAC Twin Washers

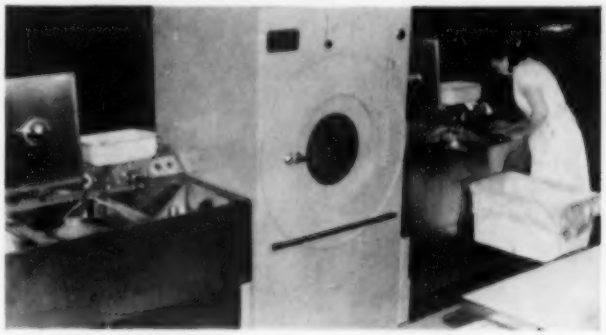




says Howard Leon,
Leon's Cleaners
Red Bank, New Jersey
Since 1912

"The trend, these days, is to offer customers a complete, one-stop service for their drycleaning, and quick wash needs. They like the convenience . . . and we like the added business it brings. By installing three UNI-MAC Washers, we converted a non-productive 15'x22' floor area into a highly efficient Quick Service Laundry . . . giving us a capacity equivalent to 24 domestic type washers and 3 extractors.
"Thanks to UNI-MACS, we are now taking full advantage of our facilities and enjoying a greater volume than ever before."

"By installing Uni-Mac Washers, we converted 340 sq. ft. of Dead Floor Space into a Modern, Productive Half-Hour Laundry"



You too can Boost Profits with

UNI-MAC TWIN WASHERS

the only 3-in-1 Washer to give You All these Outstanding Features!



WASHES, JET RINSES AND DAMP DRIES
80-100 POUNDS PER HOUR
Does the work of 8 home type units plus an extractor

SAVES SPACE
Takes only 10 sq. ft. of floor space; no expensive building enlarging or alterations needed.

NO BOLTING DOWN
Floating mount eliminates vibration.
Perfectly balanced, even with unbalanced load.

GENUINE 17" BOCK EXTRACTOR
Direct drive motor assembly eliminates wasted power of pulleys and V-Belt drives. Operating speed of 1725 R.P.M. rinses and damp dries clothes faster . . . reduces drying time and cost. Requires a minimum of attention by operator.

MIRACLE SAFETY BRAKE
Shuts off rinse water instantly and stops basket in 3 seconds when lid is raised even slightly. Complete operator protection without hand or foot controls.

Join the Swing to Bigger Profits

SEND FOR COMPLETE INFORMATION ***Today!***

IN NEW ENGLAND AND MIDDLE ATLANTIC STATES CALL OR WRITE:

FOWLER EQUIPMENT COMPANY

885 Main Street, East Orange, New Jersey ORange 4-0784

UNI-MAC CO.
P.O. BOX 4977
FORT LAUDERDALE, FLORIDA

GENTLEMEN:

☐ Please send your new UNI-MAC FOLDER
☐ I would like to arrange for a demonstration.
I am not obligated in any way.

NAME _____

STREET _____

CITY _____

STATE _____

We borrowed an aircraft idea to make this

All-New METRO-LITE Body

Extra Light for Biggest Payload



9 all-new extra-lightweight INTERNATIONALS with METRO-LITE bodies, in 3 lengths—9'6", 10'6", 12'7" on wheelbases 115 to 137¾". Max. interior width 78", capacities 349, 387, 465 cu. ft., GVW 5,400 to 16,000 lbs. METRO-Matic Transmission for models up to 11,000 lbs. GVW.

The problem was to bring you the mightiest profit building combination in the multi-stop field — the *biggest* payload capacity in the lightest, strongest body. *We did it with the new* METRO-LITE *body!*

The result is *nine* brand new multi-stop INTERNATIONALS that are far lighter than steel, even lighter than aluminum, yet built to INTERNATIONAL standards of quality and long life.

The all-new METRO-LITE design uses the modern airplane-type principle of an inherently strong, rigid shell that eliminates weight-consuming posts and rails. It combines magnesium alloy, aluminum alloy and reinforced glass fiber plastic for maximum strength and lightness. It provides 8 inches greater inside width than comparable steel models.

New INTERNATIONALS with METRO-LITE bodies offer greater glass area, better visibility, many new comfort and convenience features. Yet they retain all the famous operating economy features that have made INTERNATIONAL the multi-stop leader for 17 straight years. See your INTERNATIONAL Dealer or Branch for all the details.

INTERNATIONAL HARVESTER COMPANY • CHICAGO

International Harvester Builds **McCORMICK**® Farm Equipment and **FARMALL**® Tractors...Motor Trucks...Industrial Power...Refrigerators and Freezers

Watch "The Halls of Ivy," with Ronald Colman and Benita Hume, CBS-TV, Tuesdays, 8:30 p.m., EST

INTERNATIONAL® TRUCKS

"Standard of the Highway"

FOR
SMOOTH
ACTION
AND
LONG
LIFE
OF
PROSPERITY
PRESSING
MACHINES



PROSPERITY MASTER VALVE

**PRECISION-MADE BY PROSPERITY
FOR PROSPERITY EQUIPMENT**

**COMPLETE manufacturing facilities
for COMPLETE fabrication of ALL parts
for ALL Prosperity Equipment**

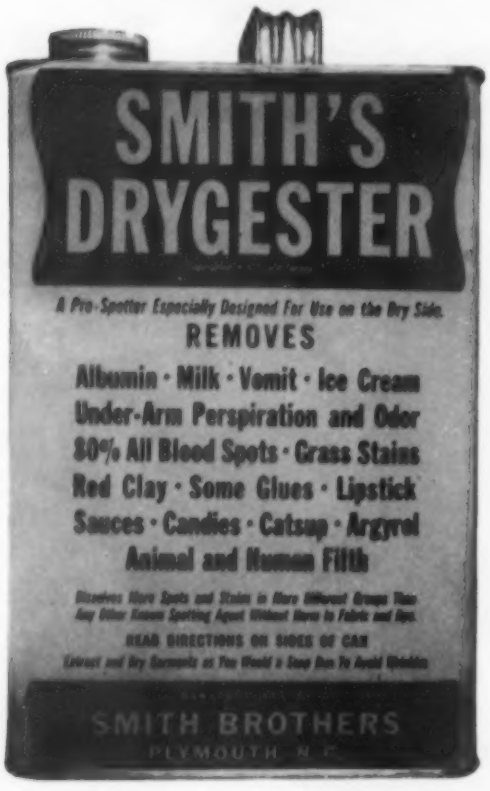


The PROSPERITY Company Inc.

AUTOMATIC PRECISION PRODUCTION TOOLS for LAUNDRIES
SYNTHETIC CLEANING PLANTS and GARMENT MANUFACTURERS

Main Office and Factory, Syracuse 1, N. Y. Sales, Service and Parts in Principal Cities

UNCONDITIONAL MONEY BACK GUARANTEE



- Not only a SPOTTING AGENT but one of the best and safest LEVELERS
- No Waste—rinsed out in the washer and helps build the soap charge
- No Fatty Acid Count—does not built pressure and will not upset any test made on solvent or charge soap
- Add One Gallon to your Charge System and get more spot removal, better cleaning and a better conditioned fabric

SMITH BROS., PLYMOUTH, N. C.

Send me a trial gallon postage pre-paid. Inclosed is $4.50 and I understand that this is unconditionally guaranteed. (money back if not satisfied)

PLANT: .....

STREET: .....

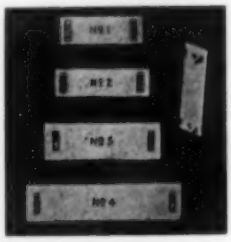
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BY: .....

NGB 55



Your Distributor Will Fill Your Order for BOSTAG MARKING NEEDS



Genuine
PEERLESS BEACON TAGS

Smooth-edged zinc prongs are tapered to enter and leave fabric without damage. Prongs are *anchored*, always firm and straight, yet fully pliable for quick attaching and removing. Triple-fold 80 x 80 count cotton cloth, non-fraying — special easy writing finish for pen or machine marking. Also fibre, 5 sizes. White and Standard Colors.

Also HALF TAGS cut straight or diagonally. SINGLE STAPLE TAGS.

BOSTAG
TAGGING MACHINES

Attach Peerless Beacon Tags faster than by hand—saving time, labor and money. Prongs are turned under for safety and smoothness. Easy, simple operation for ALL Peerless Beacon Tags. 4 Machines for Nos. 1-2-3-4 Tags. No. 4 Machine handles Half 5's.



TAG-A-DAY TAGS



Plain—or printed with days of the week, Monday through Saturday. White and six standard colors. Highest quality 80 x 80 count cotton cloth; also fibre. Size 1 7/16" x 2¼", packed 1000 to box. Standard color set-up on days of the week.

MON: Blue	THURS: Orange
TUES: Red	FRI: Yellow
WED: Pink	SAT: Green

SPECIAL: White

Also Lavender, Gray, Tan.

SPECIAL PRINTING, at nominal extra charge, may be had on any tag.

The HUB PERFORATING TAG

Indestructible—not affected by soaps, acids, gasoline, solvents, or boiling dye. White only.

No. 1—1" x 2½"	No. 3—1" x 3½"
No. 2—1" x 3"	No. 4—1" x 3¾"

ACE of SPADES
INDELIBLE INK

Intense, jet black. Highest quality. Free-flowing. Clean-marking. Impervious to action of strong solutions; does not turn brown in laundering or dry cleaning.

REDUX INDELIBLE INK REMOVER

ACE of HEARTS
RED INK

- **A B SOCK TAGS**
- **EZ-OFF IRON CLEANER**

Write for Descriptive Detailed Circular

All Fully Guaranteed

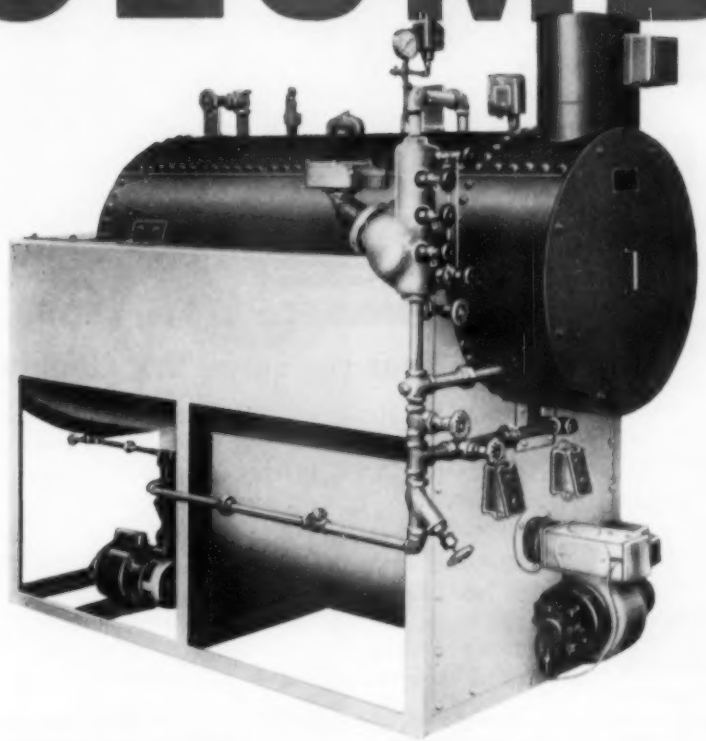
BOSTAG
BOSTON CLIP & TAG COMPANY
48 Grove Street, Somerville 44, Mass.

H R T

is another reason to switch to a

COLUMBIA

gas or oil fired boiler



Say HRT to a heating engineer and he gets a clear picture of a superior boiler. *What's it mean?* Horizontal Return Tubular type. *What's the advantage?* Money—money saved on maintenance, money saved on work stoppage. *As opposed to vertical type boilers, tubes in HRT boilers are completely submerged and therefore never subject to corrosion at the water line.*

ALL COLUMBIA Boilers . . . in sizes 2 to 50 . . . are HRT—just one of 10 reasons you'd be better off if your steam producing equipment were trademarked COLUMBIA. Mailing the coupon will get you the whole story, without obligation!

COLUMBIA BOILER COMPANY OF POTTSTOWN

COLUMBIA BOILER CO. OF POTTSTOWN,
Dept. NCD-655, POTTSTOWN, PA.

Gentlemen:

Give us the facts on the superiority of your HRT boiler as it pertains to our operation. We understand there is no obligation, and we won't be aggressively solicited.

Firm name.....

Address.....

My name is.....

Position..... Date.....



THAT'S EXACTLY WHAT

GRIPPO

GUARDS

DO!



The Latex Strip with the Bulldog Grip

There's a Reason Why More Trousers Are Delivered on GRIPPO GUARDS!

● GRIPPO GUARDS — the latex strip with the bulldog grip — are sure, dependable, economical. They fit neatly over hanger bars and hold even the smoothest fabrics neatly and safely during plant handling and deliveries. GRIPPO GUARDS are made of heavy kraft board with a coating of vulcanized latex along the ridge. They always hold!

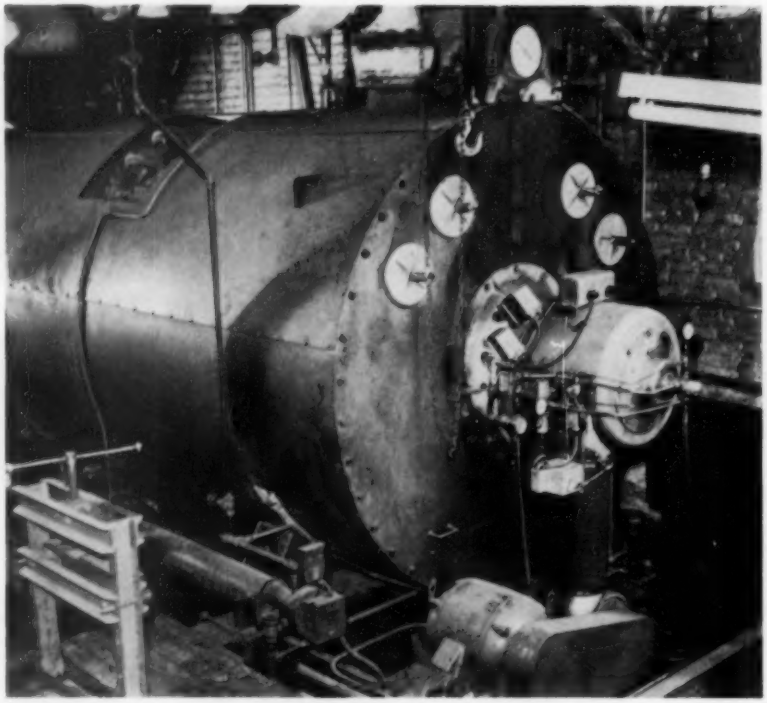
SOLD BY LEADING JOBBERS!

Get Complete Information from Your Jobber Today!

L. M. LEATHERS' SONS

PAPER DIVISION

P.O. Box 1188 • Athens, Ga.



Powermaster® Saves 50 Boiler Cleanings

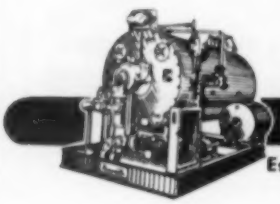
A Year For Large Dry Cleaning Plant

● This 300 HP *Powermaster* Packaged Automatic Boiler has cut steam costs by ⅓ for a large wholesale dry cleaning firm in Metropolitan New York. It replaced a 200 HP stoker-fired boiler which required cleaning once a week. The *Powermaster* is cleaned only twice a year.

Minimum attention, fully automatic operation and instant response to load changes are other important advantages which save time and money for the firm. The *Powermaster* generates dry steam for drying, pressing, spotting, heating wash water and building heat. Check these other outstanding *Powermaster* advantages:

★ Low-cost, space-saving installation
★ Quick fuel change-overs
★ Clean, dry steam
★ High fuel economy at all loads
★ Clean, quiet operation
★ Smokeless combustion
★ One source responsibility for complete unit
★ Nation-wide factory-trained representatives
★ Pay-As-You-SAVE Purchase Plan

Write for full details on the extended payment purchase plan.



Powermaster®

PACKAGED AUTOMATIC BOILERS

In sizes to 500 HP; pressures to 250 psi.

ORR & SEMBOWER, INC.

Established 1885 • Morgantown Road, Reading, Pa.



cocktail dress by Fira Beneson . . .
cleaned (naturally) in Dow-PER

still hesitating? let's look at synthetic... and Dow-PER

Equipment manufacturers' sales statistics show a progressive drycleaning trend. What's happened? Just this: plant operators are installing *synthetic units* to give *quality garments the quality cleaning* they deserve. The fine dress pictured at the left tells this story.

There are good reasons for synthetic's growth. The most important: *safety*. There's no danger to garments, plant and help when you use synthetic solvent properly.

A surprisingly high percentage of the most successful synthetic operators use only Dow-PER®, the *stabilized* perchlorethylene solvent developed specifically for the professional drycleaner. Their experience is that Dow-PER *works best* with their equipment. The traditionally leading solvent, Dow-PER processes even the finest garments *faster*, more uniformly, with less hand work. The *lower costs* you get with Dow-PER turn increased *volume* directly into greater *profit*.

Get in touch today with your Dow distributor for the full story on "going synthetic". You'll find him a thoroughly experienced specialist who can bring you helpful assistance when needed. And you'll like his service particularly because he can *always* make sure you're well supplied with Dow-PER.

If your operation is synthetic *now*, you should be well acquainted with Dow-PER's advantages. Check your present supply of solvent and if you're low, give your Dow-PER distributor a call. THE DOW CHEMICAL COMPANY, Midland, Michigan.

you can depend on
DOW SOLVENTS

DOW

dryer DRY CLEANING with new Spix

DRI-CHARGE for petroleum solvents

PERK-CHARGE for synthethic solvents

Compare these sensational advantages with your present charging detergent

1. LESS MOISTURE . . . hence no controls required.
2. NO EXTRA EQUIPMENT NEEDED . . . 2% DRI-CHARGE or 1% PERK-CHARGE does the job.
3. EASY TO USE . . . easy to keep solvent in good condition . . . no pressure or still trouble.
4. REDUCES LINTING.
5. NO SHRINKAGE through repeated cleaning.
6. MAKES PRESSING EASY . . . no breaks from moisture.
7. NO DISTURBING SIZING.
8. CUTS SOLVENT LOSSES . . . permits longer, higher-speed extraction.
9. NO COLOR RUNS FROM MOISTURE.
10. SAVES TIME . . . washer running time reduced.
11. DRI-CHARGE sizes, PERK-CHARGE adds body and luster.
12. KEEPS SPOTTING & WET CLEANING at a minimum.

Call your regular Spix distributor for complete details, or write to:

Modern Research Cleaning Products

Spix PRODUCTS COMPANY

119 Dahlem Street Pittsburgh 6, Pa.

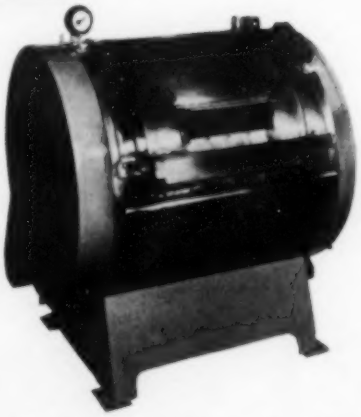
AA **WASHERS BUILT TO YOUR NEEDS!**

DRYCLEANING WASHER



- ★ Heavy Duty All Metal Washers with Maple Unloading Shelves.
- ★ Belt driven or motor driven.
- ★ Ball Bearings throughout on all rotary parts.
- ★ Special Heavy Duty Adjustable Packing Glands.
- ★ Solution can't leak out through bearings.
- ★ Safety Door Switch.
- ★ Heavy Duty type motors for reversing washer service.
- ★ Welded Cylinder and Shell.

STAINLESS STEEL LAUNDRY WASHERS



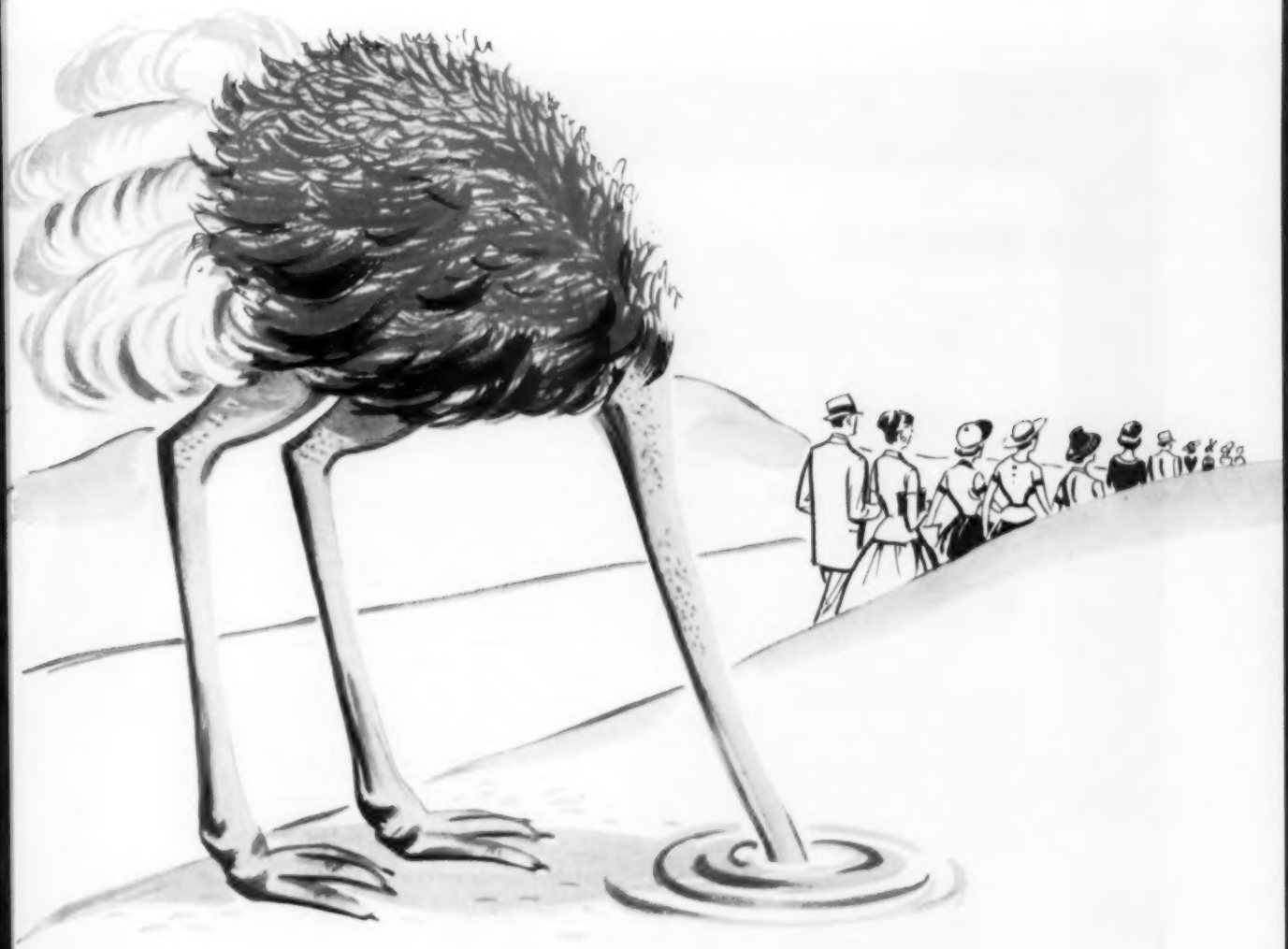
- ★ Available in Stainless Steel or Wood in Any Size required.
- ★ Motor driven or belt driven.
- ★ Special heavy duty adjustable packing glands.
- ★ Solution cannot leak out through bearings.
- ★ Heavy duty locks and keepers, adjustable to keep doors rigidly in place to prevent tearing of clothes.

OPEN TOP EXTRACTORS IN 40 AND 48 INCH FOR LAUNDRIES & DRY CLEANERS AVAILABLE—SEND FOR BROCHURE.

Sold By Leading Distributors In Principal Cities

AA **LAUNDRY MACHINERY CO.**

1112 So. Kedzie Ave. Chicago 12, Ill.



DON'T LOOK NOW!

...but those are your customers *PASSING YOU BY!*

Yes, they're passing you by. Not because of your dry cleaning services which are probably of the very best. But because you deliver your customers' garments for home storage in a reusable bag. Result? Your customers' garments are not properly protected: light gets at them to cause fading; moisture is trapped to cause mildew; soil and moth damage are possible because the bag is not sealed; the garments do not come back to you for re-cleaning to prevent soil and moth re-infestation.

THINK! Think about your customers... think about your business. Protect your dry cleaning services with Moth Seal, the most perfect and successful storage bag ever developed. Remember: you get the profit from a re-cleaning job plus the 25c to 50c MORE PROFIT on each cleaned garment packaged in Moth Seal Non-Reusable Bags! This all adds up to EXTRA BUSINESS and PROFIT! Order Moth Seal today from your supplier.

Lincoln Bag Company, Inc.
Para-Lux Products Company
4200 WEST SCHUBERT AVENUE • CHICAGO 39, ILLINOIS
Serving the Thinking dry cleaners of America!

PRODUCTS COMPANY
119 Dahlem Street Pittsburgh 6, Pa.

THE HOFFMAN

Golden Anniversary LINE . . .

world's finest drycleaning and pressing equipment

When you see presses, washers, extractors, tumblers — any kind of dry-cleaning equipment bearing the name "U.S.HOFFMAN" . . . you know it is Gold Label quality!

Only Hoffman equipment is backed by the greatest wealth of design and engineering experience in the industry, developed by the pioneer builder of pressing equipment who continues to lead the field in designing and producing better machines.

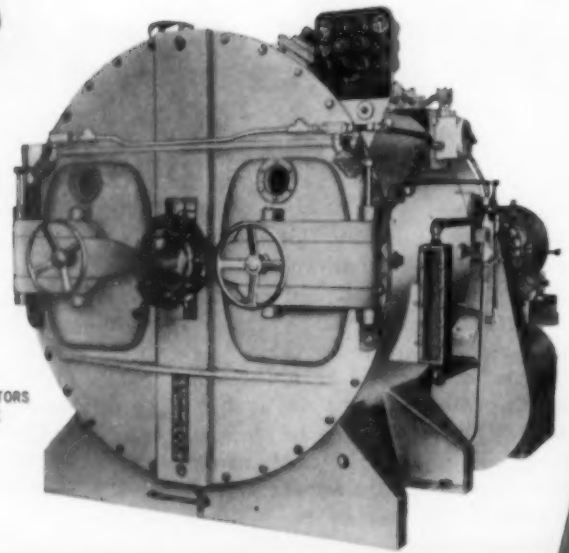
Hoffman's unchallenged position as leader in the industry is symbolized around the world—in many languages there is just one word for "press". . . it's "hoffman".

Now, as the Hoffman organization begins its second half a century of leadership, you can depend on Hoffman for the absolute finest in pressing and drycleaning equipment.

Your Hoffman distributor will be honored to show you, point by point, why HOFFMAN Presses, Cleaning Units, and every other machine in the Golden Anniversary line, is your best buy for quality, long and dependable service . . . and the wisest investment you can make for a profitable drycleaning business.

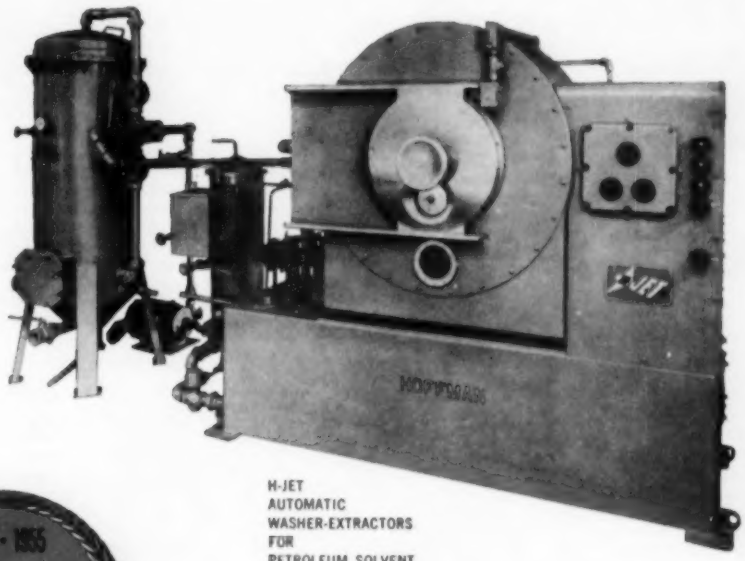


"AERODRAULIC" AND FOOT-POWERED UTILITY PRESSES



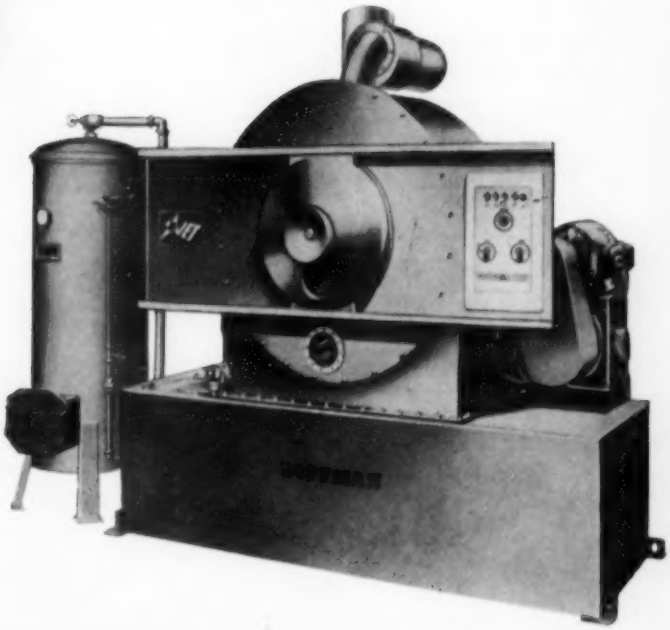
"EXTRON" WASHER-EXTRACTORS WITH EXCLUSIVE SPRAY RINSE

4200 WEST SCHUBERT AVENUE • CHICAGO 39, ILLINOIS
Serving the Thinking dry cleaners of America!



H-JET
AUTOMATIC
WASHER-EXTRACTORS
FOR
PETROLEUM SOLVENT

1905 • 1955
Golden Anniversary
U. S. HOFFMAN MACHINERY CORP.



H-JET "445"
FULLY AUTOMATIC
"COLD" PERC UNIT

U.S. HOFFMAN MACHINERY CORP.

165 FOURTH AVENUE, NEW YORK 3, N. Y.

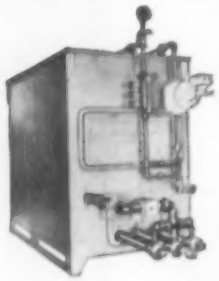
KISCO BOILER & ENGINEERING CO.

2414 DeKalb Street — **St. Louis 4, Mo.**

PRODUCTS:

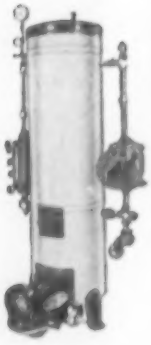
Coal, Gas and Oil Fired Boilers; Water Feeders; Unit Heaters; Condensate Systems; Exhausters; Boiler Water Treatment; Oil Burners; Water Softeners.

KISCO OIL OR GAS-FIRED CABINET BOILER



A compact, fully insulated, automatic boiler, designed exclusively for gas or oil firing. The "Three-Way Heat Travel" is an important economy feature, which absorbs practically all possible heat units from the fuel. This boiler was built for hard water conditions. There are no coils to corrode or cause trouble and the large submerged horizontal fire tubes assure a low upkeep cost and long life. Furnished in 3 to 15 Horsepower sizes. Write for Catalog BCG-6.

KISCO "KWIK-STEAM" VERTICAL BOILER



Designed for gas or oil firing. A dependable, fast steaming "packaged" power plant that is simple, compact, economical and durable. A.S.M.E. 100 lb. construction in two sizes, 1½ and three H.P. Write for Catalog BKS-6.

KISCO BOILER FEED PUMPING UNIT

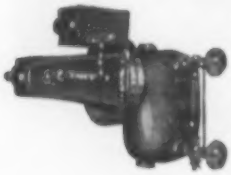
An efficiently designed cold water pumping unit which connects directly to city water line. Used in connection with the Kisco Combination Switch Control, it automatically maintains a uniform water level and steam space in the boiler, where boiler pressure exceeds city water pressure. Bell alarm signal provides additional protection. Write for Catalog BFP-6.

THE "KISCO-BILT" RETURN TO BOILER SYSTEM



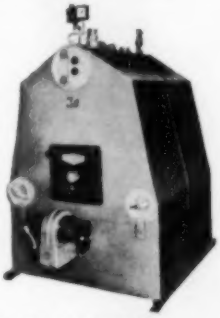
The Kisco SYSTEM will increase Boiler Efficiency, Step Up Production, and Cut Fuel Bills. It reclaims both High and Low pressure condensation and feeds Hot make-up water to the boiler Automatically. The Kisco SYSTEM adds years to the life of any boiler and saves countless dollars in fuel, water and labor savings. It assures you of both a Uniform Water Level and Steam Pressure, Plus Protection. Write for Catalog BRS-6.

THE KISCO MASTER BOILER WATER LEVEL SWITCH CONTROL



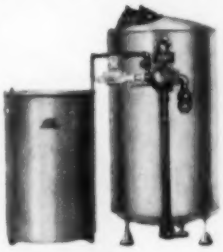
Here's the Perfect Solution to the Important problem of maintaining a Constant and Uniform Water Level and Steam space in your boiler. The Kisco Master Switch Control automatically starts and stops the pumping unit . . . Provides additional protection through the Low Water alarm and Fuel Cut-Out. Write for Catalog BMSC-6.

KISCO STEEMATIC WATER TUBE BOILER



Vertical tubes with large steam drum and two large mud drums, gives positive circulation and fast steaming. Refractory baffles give maximum heat absorption and reverse the flow of hot gases over the tubes. Can be fired with any fuel or automatic firing device, and is equally efficient with any type fuel. Sizes 10 to 60. Write for Catalog BSA-6.

THE KISCO "ABSO-SOFT" WATER SOFTENER



Soft water prevents the formation of scale in boilers and pipes and reduces fuel costs due to free heat transfer. The Zeolite "Base Exchange" process filters out calcium, magnesium and other hardening elements. The softened water is tasteless and absolutely safe for drinking or any other process. Kisco "Abso-Soft" Water Softeners are available in many types and sizes. Write for Catalog BWS-6.

KISCO "Q-T" EXHAUSTERS



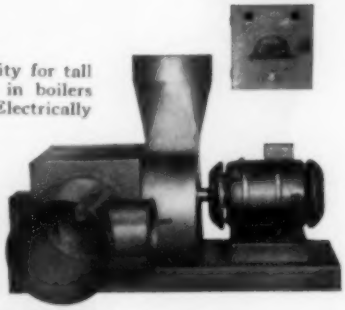
There's a size and type EXHAUSTER for every need in the KISCO line. Direct drive and belt drive models from 12 to 48 inches, delivering up to 18,500 cu. ft. of air per minute. Write for Catalog BEX-6

THE KISCO "Q-T" HEAT RECIRCULATORS



These powerful, ruggedly built "Unit Heaters" are constructed for high pressure operation. They are easily installed. Motors have resilient, rubber mountings and new, improved, overlapping fan blades to assure quiet operation. There are sizes and types for every heating requirement. Write for Catalog BSUH-6.

KISCO INDUCED DRAFT BLOWER



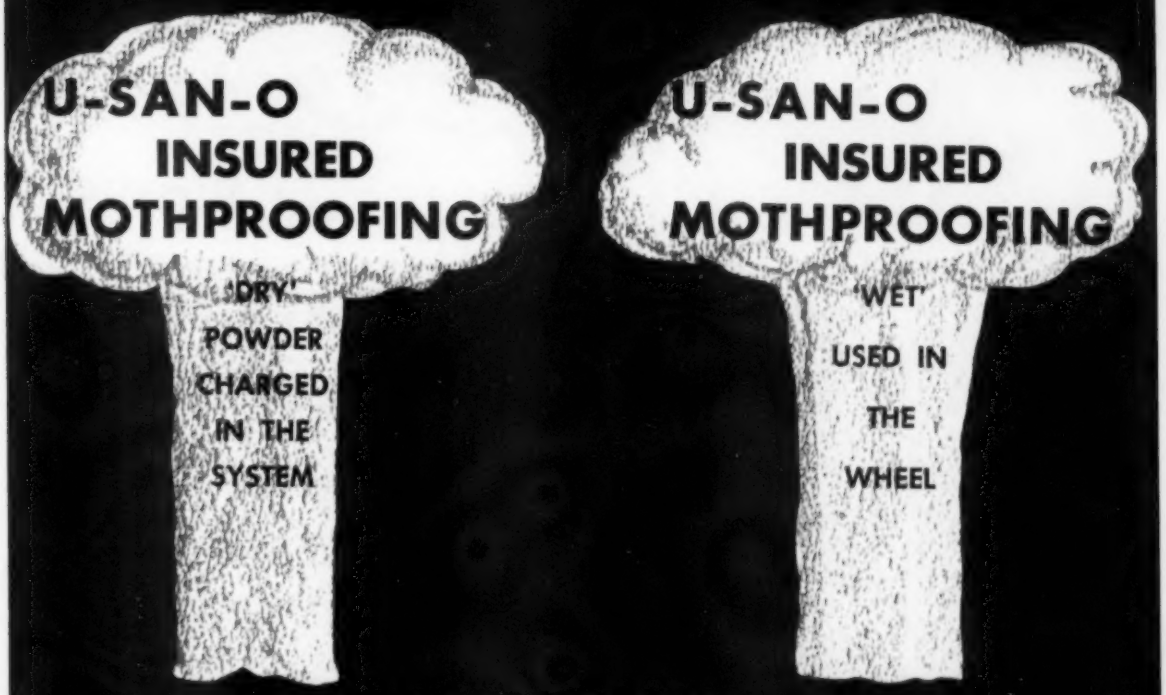
Eliminates the necessity for tall stacks. Easily installed in boilers from 5 to 100 H.P. Electrically controlled and entirely automatic in maintaining any desired draft. Any boiler is made more efficient and economical with this unit. Write for Catalog BIDB-6.

KISCO ALKI-SCALE ARRESTOR

Rid your boiler of scale. Enjoy the full efficiency of your steam equipment, prolong the life of your boiler, and reduce fuel costs by using Kisco "ALKI-SCALE" Arrestor. Write for Catalog BAA-6.

BLAST YOUR MARKET WITH U-SAN-O

Create Sales!



NO EXTRA LABOR OR EQUIPMENT REQUIRED . . .
BOTH INSURED BY ONE OF THE LARGEST INSURANCE COMPANIES IN AMERICA

Garments Mothproofed and Insured against moth damage is the **Extra Service** that makes you a **Standout** Cleaner — brings in new customers for only a fraction of a cent per garment!

Order U-San-O MP Powder in 25, 50 or 100 lb. containers. Order U-San-O Solution Wet in 15, 30 or 55 gal. drums from your distributor today.

U-SAN-O
INSURED
MOTHPROOF
CLEANING
SYSTEM

MAIL TODAY

AMERICAN MOTHPROOFING CO.
2510 Hampton, St. Louis 10, Mo.

Please rush U-San-O's free book of tested advertising material and promotions designed to bring new customers to my store. Show I can increase profits with greater volume.

Name _____

Address _____

American
MOTHPROOFING COMPANY
2510 HAMPTON AVE. • ST. LOUIS 10, MISSOURI



NEW LOW PRICE

KORDITE

Transparent Plastic GARMENT BAGS

EXTRA LARGE SIZE
ATTACHED TIE-CLOSURES
SELF-DISPENSING CARTON

5 POPULAR SIZES

Dress and Overcoats
25 x 65" (extra large)

Suits
25 x 46"

Gowns and Formals
30 x 80"

Blankets and Draperies
25 x 33"

Sweaters and Blouses
12 x 18"



Quick **Self-dispensing cartons serve you one bag at a time!**

Space Saving **You save 18 square feet of packaging table area!**

Economical **Cuts packaging time, labor in half—you save 6c per garment!**

No Errors **You always deliver the correct package—your customer sees what she's getting!**

ADVERTISED IN LIFE

ORDER *Kordite Garment Bags from Your Wholesaler Today!*

For the name of your Kordite Wholesaler, write, wire or telephone

KORDITE CORPORATION • MACEDON, New York

MEET THE PRESS with the LIGHT TOUCH!

THE NEW FEATHERLIGHT NEW YORKER

The most modern steam press yet developed, the streamlined FEATHERLIGHT New Yorker is the newest feather in our cap.

NEW ★ NEW ★ NEW

De Luxe Features Standard on the FEATHERLIGHT New Yorker

Compact design saves 4 sq. ft. of floor space on each press.

Light as a feather operating head—slight pull of one finger brings it halfway down to buck.

"Easy-Lock" permits locking of head by hand only.

Fingertip release opens head quickly and smoothly.

Adjustable hydraulic shock absorber makes opening of head faster and smoother.

3-point suspension of head assures easy and even pressure on all thicknesses of material.

Improved packless steam valves.

Most powerful steam vacuum dryer ever used.

Pearl gray Formica table and backboard gives attractive, sturdy appearance.



FEATHERLIGHT J42

Write for full information about the New Yorker FEATHERLIGHT, made by the world's largest manufacturers of Foot- and Air-Operated Presses. Handsome new catalog, describing over 300 models, on request.

NEW YORK PRESSING MACHINERY CORP.

AGENTS IN ALL PRINCIPAL CITIES

NEW YORKER

880-888 Broadway (Cor. 19th St.) • N. Y. 3, N. Y.

Paterson, N. J.—Factories—New York, N. Y.

"Builders of Better Pressing Machines For Over 42 Years"

New York Pressing Machinery Corp.
880 Broadway, N. Y. 3

Please send me FREE illustrated Catalog, Price List and Nearest Dealer.

Name.....

Title.....

Firm.....

Address.....

City..... Zone..... State.....

NCD-6-55

ADVERTISED IN

LIFE

Stā·Nu

the business booster

that lasts...

as a product...

Sta★Nu has proved its ability, season after season and year after year, to streamline finishing room production... turn out superior quality, even with ordinary finishers...and to build customer satisfaction and loyalty...

and lasts...

as a program...

Sta★Nu continues to lead the way in the dry cleaning industry with powerful and ever growing promotional and advertising aids for its franchise-owners! From the national ads in LIFE, tied to paid telephone directory listing...right on through to the colorful posters and garment tags, the Sta★Nu program keeps on clicking...

and lasts!

as proved by profits...

Sta★Nu gains new customers and holds the old ones, year after year! Small and large plants everywhere testify to ever-increasing *volume* and *profits*. Write today for information on how Sta★Nu... the *Product* with a *Program* can work for *you!*

Write to:

Sta★Nu Corporation
4850 W. Belmont Avenue
Chicago 41, Ill.

Stā·Nu

The Dry Cleaning Quality

that lasts...



WRINKLES hang out in a jiffy when your clothes have been dry cleaned and finished with Sta•Nu! And Sta•Nu's revitalizing textile finishing agents fight the clothes-crumpling effects of humid or rainy weather, too!

and lasts...



COLORS of all your clothes regain their sparkling "like-new" luster after dry-cleaning and Sta•Nu finishing! So be sure to send them to a Sta•Nu dry cleaner *before* you pack them! They'll keep their lively, lovelier look far longer!

and lasts!



STRETCHES your vacation budget! Sta•Nu finishing agents permeate every fiber of the fabric to help any garment resist spotting—make dirt easier to brush off! You need fewer new clothes . . . and pack fewer clothes . . . with STA•NU!

Stā·Nu

It Costs You Nothing Extra!

Vacationing—on business trips—or at home—find your Sta•Nu Dry Cleaner in the pages of the local classified telephone directory.



How to make your helper a "Second-Story" man

Ever counted up the first-floor rug cleaning jobs you handle where you DO NOT get the second-floor work? Actually, you may be losing a nice bit of money on "upstairs" cleaning . . . *simply because nobody wants to carry a heavy 65 or 70 pound cleaner up and down!*

Today MULTI-CLEAN has the remedy for that situation . . . the new 29 pound D-100 . . . so light you can pick it up and carry it with one hand, yet sturdy, powerful, and built for years of service. It's the ideal auxiliary unit to go with your regular MULTI-CLEAN MCV-214 or 220 vacuum.

To understand what a money-maker the D-100 can be for you, look at the price, then look at these *features:* wet or dry pickup . . . welded all-steel 3½ gallon tank . . . 66″ water lift . . . 30′ safety cable . . . safety fuse shut-off to protect from flooding . . . 4 swivel casters. Hose, wand, floor tool, hand tool and intake adapter are all included in the $152.50 price.

The D-100 is the newest member of the famous MULTI-CLEAN line of equipment for the professional rug cleaner.

Other MULTI-CLEAN products include heavy duty rug scrubbing machines in sizes from 12″ to 22″ for both on-location and in-plant work, heavy duty wet-dry vacuum cleaners in sizes up to 16 gallon capacity, the new, self-contained "Professional" upholstery cleaning machine, and rug cleaning shampoos.

MULTI-CLEAN'S 29 LB. D-100...

only **$152.50**

PRICE INCLUDES ATTACHMENTS WORTH $32.70

MULTI-CLEAN®
PRODUCTS, INC



MULTI-CLEAN PRODUCTS, INC., Dept. NC-65,
2277 Ford Parkway, St. Paul 1, Minnesota

● Gentlemen: Tell me more about the "D-100" and how it will increase my profits. I'm also interested in: ☐ Scrubber ☐ Industrial Vac ☐ "Professional Unit" ☐ Shampoos

Name_____

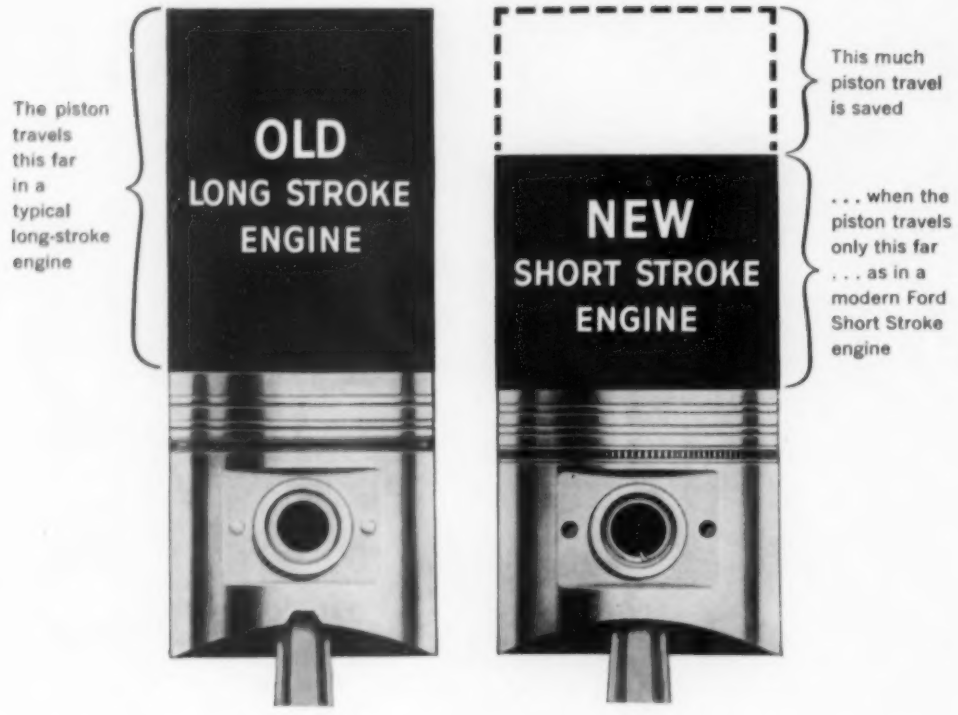
Firm_____

Address_____

City_____ Zone___ State_____

Look under the hood!

Something **NEW** is happening to truck engine design . . .



The big news in truck engines is modern *short-stroke design*. Piston rings last up to 53% longer. Engine friction is cut as much as 33%. You save up to 1 gallon of gas in 7. Only Ford has Short Stroke design in *every* engine—V-8 or Six—in *every* truck.



Stop-go delivery was never easier, faster than with *Fordomatic* Drive and Ford Power Braking. These two features on a P-350 Parcel Delivery Chassis soon repay their moderate extra cost in time savings, lower maintenance, greater safety and control. 118-h.p. Short Stroke *Cost Clipper* Six delivers long-lasting power with important gas savings.

Differences between outdated long-stroke engines and Ford's modern Short Stroke design may seem small, but actually they're *not.*

In one case, for instance, Ford's stroke is shorter by 1⅓ inches. A small matter? This shorter stroke means 4,940 miles *less piston travel per year*—per piston—in an average year's driving of 26,000 miles.

Less piston travel means less friction . . . less wear. And that means lower upkeep costs, longer engine life, greater gas savings and more usable power.

Be sure your next truck has a modern short-stroke engine that will not be outdated at trade-in time. You *will* be sure if it's a FORD Truck. Because Ford *and Ford alone* gives you a Short Stroke engine in every model.

Ford Triple Economy Trucks

THE MONEY MAKERS FOR '55

NOW, the Industry's finest PUFF IRONS any way you want them!



with Fabric Pressing Head



with Water-Spray Gun & Condenser



with Vacuum

Look to Cissell

for the finest Puff Irons

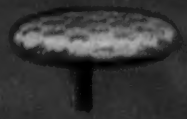
WITH FABRIC PRESSING HEADS



Bring on your hard-to-finish fabrics . . . handle them easier, faster —and get the no-shine finish your customers want. Cissell Puff Irons with Fabric Pressing Heads and Vacuum is the modern equipment for finishing many new fabrics—taffetas, acetates, nylons, orlons and cottons. A large volume of upsteam, strong vacuum, and the fabric pressing head enables operator to remove difficult wrinkles . . . to reduce hand ironing . . . to give materials a "brighter look" . . . to speed-up quality finishing, with less fatigue. For conventional hand-pad finishing, the fabric head may be moved out of working range. Consult your jobber!



with Polished Heads less pad and cover



with Unpolished Heads including pad and cover

CISSELL MEANS QUALITY!

Consult Your Jobber

W. M. CISSELL MANUFACTURING CO., INC.

831 S. FIRST ST.—P.O. BOX 1143—LOUISVILLE, KY.

Pacific Coast Office—4823 W. Jefferson Blvd., Los Angeles

Foreign Distributors: Address Correspondence Attention Export Dept.—Cable Code: CISSELL

Sales Promotion Tips

... For BERLOU Mothproofing Dealers

"Oh, yes, I've seen Berlou advertised in Ladies Home Journal."

In that comment of a customer can be found the story of what Berlou's national advertising means to YOU. It has opened the door to a sale.

Berlou's national advertising is doing a job for you in two ways. First of all, a good percentage of customers and prospects will be among the hundreds of thousands of readers across the nation who will see the Berlou ads in Ladies Home Journal and other national magazines. They're lifted out of the "never-heard-of-it" class and become real prospects. They'll know what you're talking about when you speak of Berlou. And as you well know, that's one of the first big steps in making a sale.

Secondly, national advertising builds prestige for Berlou and makes sales that much easier for you. You as a business man well know that the trade names on the lips of every American housewife today have been put there by national advertising. Seeing a Berlou ad in her favorite magazine such as LADIES HOME JOURNAL, BETTER HOMES AND GARDENS, HOUSEHOLD, and WOMAN'S HOME COMPANION, introduces Berlou to your customers and prospective customers. It makes them feel that Berlou is at home with other products she has learned to trust.

HERE'S HOW YOU CAN CASH IN ON THE BENEFITS FROM BERLOU'S NATIONAL ADVERTISING: These national ads are paving the way for your own sales efforts by preheating your prospects. All you have to do is to remind them that YOUR PLACE OF BUSINESS is the outlet in their community for BERLOU FIVE-YEAR GUARANTEED MOTHPROOFING SERVICE.

Berlou's national advertising and promotion will be most profitable to you if you follow through with your own local advertising and promotion.

We even help you do this. Under Berlou's cooperative advertising plan, we supply you with all the sales aids needed to do the job, including newspaper mats and copy, radio script, circulars, signs, rug tags, posters, and streamers. If you aren't familiar with the entire cooperative advertising program, drop us a line and we'll be glad to explain it to you.

THE BERLOU MANUFACTURING COMPANY
435 Monroe Street Marion, Ohio

In Canada:
The Berlou Company Ltd., London, Ontario, Canada

Note: If you are not already a Berlou dealer, write for our interesting and informative booklet, "Berlou's Profit Builder Plan"—NOW! It's FREE—and it will show you how to add EXTRA PROFITS to your business every day. Our dealers make as much as $5,000 to $10,000 extra net profit each year. Use this coupon for convenience.

FILL OUT AND MAIL TODAY

OK! Send a Free copy of "Berlou's Profit Builder Plan" without obligation.

Firm: _____

Address: _____

City _____ **Zone** ___ **State** _____

Signed _____

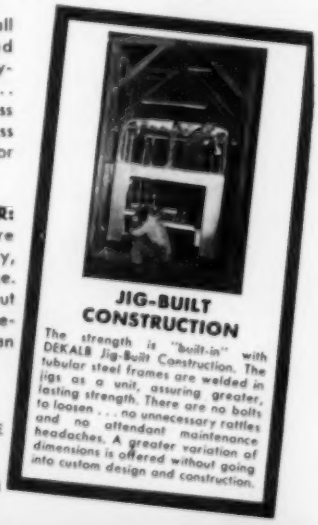


Check these *FEATURES*

APPEARANCE: The attractive and distinctive design of DEKALB BODIES give added prestige to their company and their products.

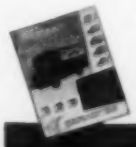
LESS MAINTENANCE: The all steel construction, jig-welded tubular steel framework, sturdily-built doors, quality hardware . . . all are factors that mean less maintenance expense and less "lay up" time in the garage for DEKALB BODIES.

LESS EXPENSIVE TO REPAIR: All DEKALB BODY panels are removable, easily and quickly, in case of serious panel damage. It is not necessary to order out special and expensive replacement panels. Any local shop can repair a DEKALB BODY.



JIG-BUILT CONSTRUCTION

The strength is "built-in" with DEKALB Jig-Built Construction. The tubular steel frames are welded in jigs as a unit, assuring greater, lasting strength. There are no bolts to loosen . . . no unnecessary rattles and no attendant maintenance headaches. A greater variation of dimensions is offered without going into custom design and construction.



WRITE FOR FREE LITERATURE ON DEKALB SPECIALIZED TRANSPORTATION EQUIPMENT

DeKalb

COMMERCIAL BODY CORPORATION
203 W. GARDEN ST. • DEKALB, ILLINOIS

FOR A STRONG SOAP SYSTEM AT ITS BEST... GET

WASHEX
COMBINATION WASHER-EXTRACTOR

The "65" WASHEX

Combination Washer-Extractor

is AUTOMATIC



The WASHEX Auto-Cycler now enables you to operate your machines either automatic or manual . . . and you can simply adjust the Auto-Cycler to run on any time cycle you wish. WASHEX Auto-Cycler is explosion-proof Class 1, Group D.

Look at these other features: heavy duty, open pocket, open end Combination Washer-Extractor, mounted on built-in solvent tanks, pre-piped with pumps, pipe lines, valves, sight glasses, strainers, lint trap. Automatic or manual operation is optional.

WASHEX ALSO AVAILABLE IN



"100"
100 lb dry load



"200"
175 lb dry load



"300"
270 lb dry load



"500"
450 lb dry load

WASHEX MACHINERY CORPORATION
192 BANKER STREET, BROOKLYN 22, N. Y.

WASHEX MACHINERY CORPORATION
192 Banker Street, Brooklyn 22, N. Y.

Please send me further information on the "65" . . . "100" . . . "200" . . . "300" . . . "500" . . . WASHEX

I am also interested in the WASHEX AUTO-CYCLER . . .

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ADDRESS_____

CITY_____ STATE_____

Stubborn Spots Disappear Like MAGIC With

SOLVINK



Solvink, the special-purpose spot remover, makes stubborn clinging stains of ink, rust, blood and paint disappear like magic.

The fast-penetration action of Solvink helps you cut finishing costs, turn out top quality work **fast.**

Guaranteed safe for fine fabrics and fast colors when used according to directions.

Order SOLVINK today from your jobber on a money-back guarantee. For Free Sample Write us (Dept. N-56).

One half pint set (two solutions) only $2.25. Also money-saving pints, quarts and gallons.

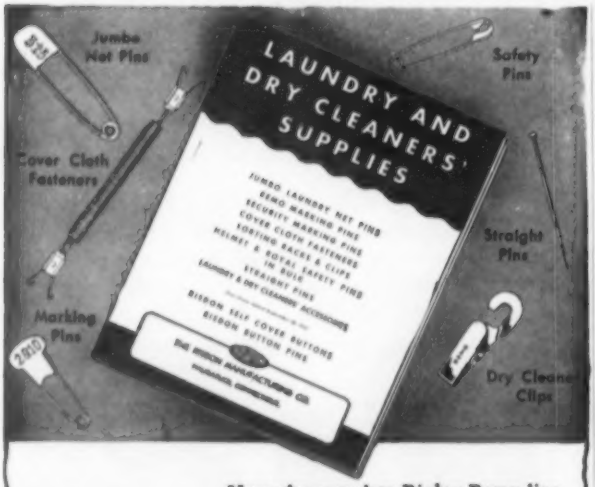
GREENVILLE CHEMICAL COMPANY

P. O. Box 1087 Greenville, S. C.



And you can use these companion products profitably, too—

- **TANSOL** for Tannin Stains
- **GREENZYME**—Digestant
- **IODASE**—for Iodine Stains
- **SIZ-IN**—Hat Size



Ask your dealer for your copy of this NEW

RISDON REMO CATALOG

Have the complete Risdon-Remo line at your fingertips. Pictures, specifications and prices make the line easy to order.

And don't forget the three star features of Risdon-Remo service.

★ **Immediate Shipments**
★ **Complete Dealer Coverage**
★ **A Pin for Every Need**

THE RISDON MANUFACTURING CO.

RISDON

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SUPERIOR *BOILERS BY SUPERIOR*

ALL WELDED SCOTCH MARINE BOILERS

A. S. M. E. CODE CONSTRUCTED

- COMPACT
- MORE EFFICIENT
- AUTOMATIC
- SAFETY CONTROLS
- FIRES WITH OIL OR GAS
- HEAVY CONSTRUCTION
- A.S.M.E. CODE CONSTRUCTED
- EASY TO CLEAN AND INSPECT
- READY TO INSTALL
- THE BEST DESIGN FOR HARD WATER
- BUILT IN SIZES FROM 6 H.P. TO 50 H.P.

OIL, GAS or Combination



All Seams Electric Welded
No Rivets or Seams to Leak
Flues Rolled and Beaded
Easy to Repair
Years of Service

SUPERIOR BOILER & SUPPLY CO.

3406 East Fourth Street, Hutchinson, Kansas

ONLY OLSON

BRINGS YOU SUCH *SUPERIORITY* OF PERFORMANCE

in FILTERS . . .

OLSON *Tubular Screen* FILTERS

Protected by patent No. 2,693,882

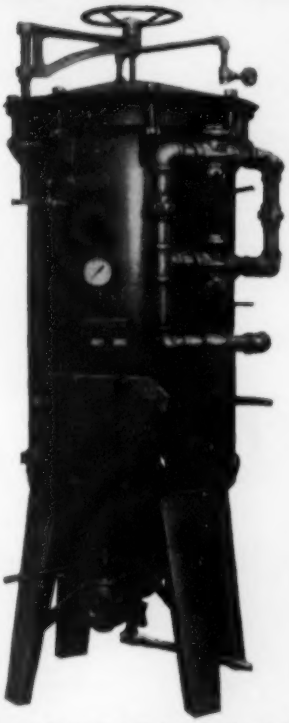
THE ONLY FILTER WITH *ALL* THE ADVANTAGES OF

"UP-FLOW" Tubular Construction! Filtering surface expands as the filtering process progresses; reduces build-ups, increases cycle duration.

BLIND-PROOF CONSTRUCTION! Openings are "straight through" . . . no crevices, no ridges. All filtering is done on the surface — in seconds.

AUTOMATIC SELF-CLEANING! Turn two valves . . . the filter **cleans itself** in minutes — not hours — without messy scraping or changing bags.

PROVED PERFORMANCE in America's leading plants using the "charged" or regular solvent method . . . and the "closed" or "flow" system of operation.



OLSON FILTERS NOW FILTER MORE THAN 5 MILLION G.P.H.

. . . . . and STILLS . . . . . .

OLSON Heavy Duty VACUUM STILLS

FASTER RECLAMATION at lower cost per solvent gallon!

Olson Stills mean high-speed, self-operating, low-cost reclamation and perfect distillation. Saves steam and water, too — thanks to Olson's duo-purpose Pre-Heater and removable Heating Element. Now these outstanding features are available in a new "pre-mounted" model — the new

OLSON 50 GPH "PACKAGE" STILL

complete with pump and piping, mounted on a steel plate . . . ready for quick, easy installation and years of fast, inexpensive distillation. Mail coupon for complete details.



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1624 N. Kilbourn Avenue, Chicago 39, Ill.
The Oldest Name in Drycleaning Filtration

OLSON FILTRATION ENGINEERS,
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Send free literature on

☐ Olson Tubular Screen Filters ☐ Olson Vacuum Stills

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BUILT *Clean* FOR CLEANERS



Utility cuts delivery costs!



Utility pipe rack interior

Smooth clean lines, flush mounted doors and engineering know-how are combined to give you the best multi-stop delivery unit ever built. Every part of the body is perfectly fitted, permitting no dust or dirt to gather on freshly cleaned clothes. Large body capacity allows more bulk packages to be delivered at one time. High headroom facilitates easy racking of suits and dresses plus faster routeman operation. Extra wide doors and low step wells also increase loading and delivery speed.

Utility bodies offer something extra, too. The Utility is a beautiful body — a mobile advertisement of your every service. Have a Utility representative call soon. For prices and additional information, see your local Utility Truck Dealer or write direct to the factory.

Phone-wire-write *for additional information and name of nearest UTILITY representative.*



Utility

THE TRUCK WITH *Control Tower* VISION

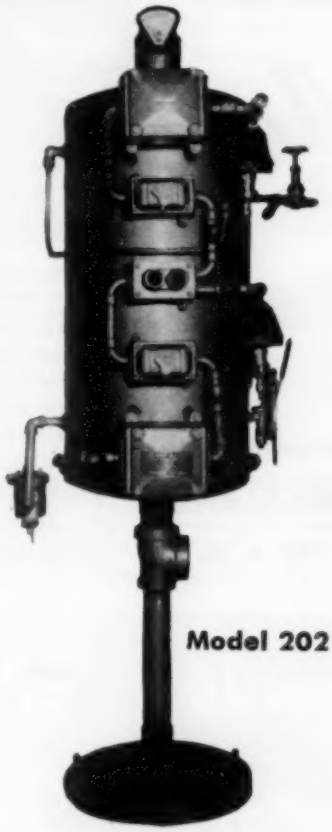
UTILITY TRUCK DISTRIBUTORS, INC.
Union City, Indiana
Phone 424

THE

SOLVENT MASTER

Model 202

COOLER PREHEATER



Model 202

'Explosion Proof' Controls.. $595.00

MANUFACTURED IN SEVEN MODELS

COOLS IN SUMMER
HEATS IN WINTER

THERMOSTATIC OR MANUAL CONTROLS

NO SKILLED LABOR NEEDED for OPERATION

ENGINEERED = TO MAINTAIN YOUR SOLVENT TEMPERATURE WITHIN A FEW DEGREES DAY AFTER DAY AS RECOMMENDED BY YOUR SOAP MANUFACTURER

See Your Jobber or write us direct for full information

TRIPP MANUFACTURING COMPANY

105 Grande Ave., Greenville, N. C.



Gives you all the data you need to select the finest canvas baskets, hampers and trucks for your laundry or dry cleaning operation. The sixteen styles most popular in the dry cleaning and laundering fields are illustrated and described fully. The new catalog includes such outstanding Lane items as the Style 69W Elevated Washroom Truck shown below.

Look into STYLE 69W Elevated Washroom Truck for Dependable service at low cost

BECAUSE:

- Plasticized Lane duck body — long wearing and permanently watertight.
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- Available with or without integral drain hose.



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Lane

THE LANE BASKET TRADE MARK

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Please send me my free copy of the Lane Catalog No. 4.

Name .....

Company .....

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Town ..... Zone ..... State .....

My distributor is .....

Your customers get the best dyeing service in town when you hand dyework to

Tru Color

Choice of E-Z-PRESS SEMI-FINISHED or FINISHED-TO-FIT SERVICE



When you use Tru Color, the "supermarket" of sideline services, you can send all of these in the same bundle...

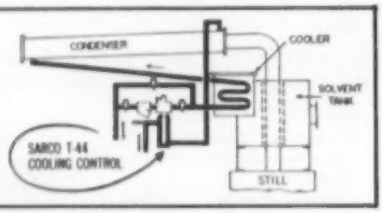
- **DYEWORK** . . . Garments, Rugs, Curtains, Slip Covers, Draperies, Blankets
- **LINENS FOR VAT-DYEING**
- **SUEDE & LEATHER CLEANING**
- **GLOVE CLEANING**
- **REWEAVING**
- **FLAMEPROOFING**
- **SHOWERPROOFING**

Send a card for trade price list, marking and mailing supplies

TRU COLOR DYE WORKS, INC.

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Sarco self-operated T-44 Cooling Control, automatically holds water at control point by close throttling of discharge flow. Ask for Bulletin.



"SAVED 2236 GALS. OF WATER – for every 1000 gals. of solvent distilled!"

. . . So writes Mr. Russell Safar, Park Cleaning Co., Lyndhurst, N. J., after installing a Sarco T-44 Cooling Control (as shown above) on a recovery still on which a hand valve was previously used to control the supply of cooling water.

"The *labor-saving* and *safety features*," continues Mr. Safar, "are even more important than the water saving. This automatic Cooling Control eliminates the need for frequent checking of the solvent temperature and adjustment of the water valve."

Try a Sarco Cooling Control and see the savings for yourself! Contact your local Sarco agent, or write direct.

2061-F

SARCO COMPANY, INC.

Empire State Bldg., New York 1, N. Y.

Spray Away ODORS



Low cost, convenient, pleases customers...

It's easy to return garments that smell fresh, as well as look attractive, when you use Cabinet-San Spray Deodorant after cleaning. Cabinet-San removes the odors of perspiration, vomit, tobacco, urine and others equally offensive. Keep the handy spray cans at the finisher's bench. Won't spot fabrics.

Cabinet-San.

SPRAY DEODORANT



Write today for complete dry cleaning products catalog!

HUNTINGTON LABORATORIES

Huntington, Indiana

Philadelphia 35, Pa. Toronto 2, Ontario



It Must Be A GOOD SPOTTER!

It has built a great reputation from coast to coast in four years. Yes sir, we have letters from cleaners from coast to coast that say they have never seen anything like Chaser on their spotting board.

If it is grass, mercurochrome, ink, fruit, colas, liquor, beer, blood, milk, ice cream, lipstick, shoe polish, etc., reach for Chaser and see for yourself.

This product is guaranteed to do what we say, if used as directed, or your money back.

6—8 oz. bottles	½ gal.	1 gal.	4—1 gal.
$9.75	$9.00	$15.00	$12.50 per gal.

Order from your jobber or write direct

DELLO PRODUCTS COMPANY

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The Scientific Scale Remover



Safely Loosens Scale
Prevents Formation of New Scale
Prevents Corrosion
Prevents Foaming in Boiler
Reduces Fuel Costs

What "Doctor Boiler" is!

DOCTOR BOILER is a scientific solution which may be introduced into boiler water under normal operating conditions. It is not a corrosive chemical and it discourages corrosion. It has proven anti-foaming properties and also tends to lubricate internally water level controls and traps. It will not injure hands or damage clothing. DOCTOR BOILER comes to you ready-mixed and requires no preparation whatever.

Sold through jobbers—Write for brochure

DOCTOR BOILER, INC.

4307 Main Street, Dallas, Texas

REDUCE LABOR COSTS

with a ***Combination*** **PETROLEUM**

WASHER-EXTRACTOR

World Wide Distributors

G. A. BRAUN Inc.
Empire Building
Syracuse 2, N. Y.

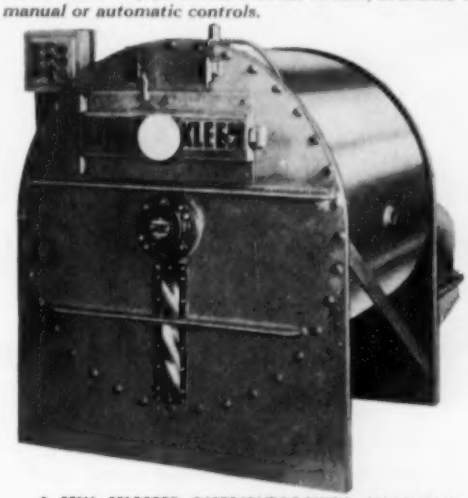
Petroleum cleaning poses no problem when you select a UNIT KLEEN Combination Washer-Extractor. No balancing of extractors is necessary with UNIT KLEEN* and no drain trucks are required.

The Washer-Extractor combination does away with the handling of solvent laden garments and reduces the amount of labor required to run your cleaning room.

- **You save 50% in space. One compact unit replaces large, bulky equipment.**
- **Your spotting load is reduced considerably because of UNIT KLEEN'S high efficiency "squeeze-and-drop" action.**
- **You get bigger pay loads . . . with half as much labor.**
- **You simplify the use of 4% soap—thus reducing spotting.**

UNIT KLEEN Combination Washer-Extractors are available in 50, 80, 100, and 150 lb. capacity models.

** UNIT KLEEN, Universal Solvent Model, available with manual or automatic controls.*



A FEW SELECTED DISTRIBUTORSHIPS AVAILABLE

G. A. BRAUN INC.

Empire Building **Syracuse 2, New York**

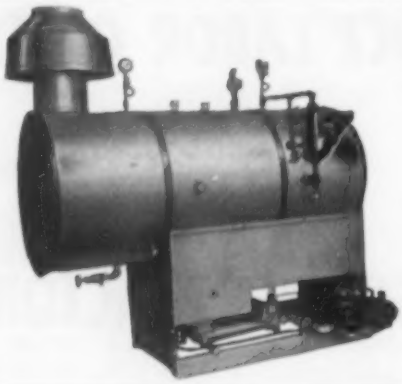
Please send me complete specifications on your Unit Kleen combination washer-extractors.

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CO. _____

STREET _____

CITY _____ ZONE _____ STATE _____



GAS BOILERS

Vertical tubular
Vertical flueless
Portable horizontal

OIL BOILERS

Vertical tubular
Vertical flueless
Portable horizontal

Fully automatic units including boiler feed or complete return systems. All boilers ASME Code & National Board.

38th Year

Over 10 sq. ft. heating surface per H. P. all sizes of HRT's.

P. M. Lattner Mfg. Co. Cedar Rapids, Iowa

Dealers & Distributors most everywhere

PATENT NOTICE

I am the sole owner of U. S. Patent No. 2,614,-026 for DRY CLEANING METHOD & APPARATUS granted October 14, 1952.

May I suggest that you investigate carefully before using this method or apparatus so that you will not render yourself liable to suit for infringement of my patent which I intend to protect to the full extent of the law.

JOSEPH T. LASCARI

THE TEX-TONE CORP.
TORRINGTON, CONNECTICUT
April 22, 1955



"Press Covers Guaranteed over 3 months on all Dry Cleaning Presses"

STAD-SPUN D

This high porosity, non-slip, non-stick cover is made for all presses, where a quality finish is desired. The extra-fine weave of the nylon yarn is "Stadham" scorch-resistant—treated to insure up to 37% extra wear.

Write for name of your distributor.

STADHAM
COMPANY, INC. • HEXAGON DIVISION

NOW Completely Finished DYEING

Ready to Wear and Use



Garments
Household Goods
Rugs

DYED—RESHAPED—PRESSED

WRITE WIRE PHONE

Let us tell you about our 100% finished dyeing service that enables you to hand over to your customer a dyed item all ready to use. Here are profits for you with no more effort than licking a postage stamp.

General Dyeing Co.

AT THE CROSSROADS OF AMERICA

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INDIANAPOLIS

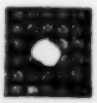
REPLACE MOTH or BURNED HOLES in fabrics with matching materials

by the NELSONATING PROCESS

PATENT APPLIED FOR

This wonderful new method replaces damaged areas in fabrics with matching materials up to ⅝" inch at $1 to $2 per hole.





BEFORE



AFTER

FRANCHISES AVAILABLE

Dry Cleaners • Tailors • Reweavers

Use this wonderful new mechanical method on your own premises. Write for a Franchise which includes the loan of a fully equipped NELSONATING unit with complete step-by-step illustrated instructions that will enable you to make NELSONATING repairs quickly and very profitably.

An additional income of $50 a day can be realized from this new process.

Write for Franchise costing $30—or send for free information.

NELSONATING

22 PEARL ST. UTICA 2, NEW YORK

SOMETHING THAT SELLS AND REPEATS

You Can GET AND HOLD New Customers With The TERGIT-REE-DRAPE SYSTEM.

The TERGIT-FOG AND SPOTTING SYSTEM practically eliminates wetcleaning and board spotting, far beyond what is possible in machine cleaning with high detergent charge and use of an extraordinary amount of water; besides, it speeds production at lower cost and eliminates the hazards connected with using a lot of water in machine cleaning. TERGIT also contains a powerful yet harmless germicide and deodorant and it destroys perspiration and other odors without leaving an odor of its own.

The TERGIT-FOG AND SPOTTING SYSTEM can be taught to an inexperienced operator in a short time and can be used on all classes of materials except soft woolens and cellulose acetate velvet, without shrinkage and with safety to colors and fibers.

The TERGIT-FOG AND RE-SPOTTING SYSTEM is being used with great success by quick-service plants as practically all garments go right through without the need of after-spotting, wetcleaning, or the necessity of re-running. However, large production plants usually prefer to run everything through drycleaning and then use the TERGIT-FOG AND SPOTTING SYSTEM on garments that need it, followed by re-running.

The TERGIT-FOG AND SPOTTING SYSTEM has been used in many drycleaning plants for several years, which proves that it is thoroughly practical, and it is an original development of Riverside Manufacturing Company, who guarantee results claimed for it.

Riverside recommend use of the TERGIT-FOG AND SPOTTING SYSTEM in connection with machine cleaning in solvent charged with 1% of Riverside's SUPER SOLTEX and say that if the cleaner will also use Riverside's REE-DRAPE dry size to impart new body, feel and finish to lightweight garments particularly, he can do a job that will get and hold new customers for he will be selling benefits his customers can see and feel. Samples of TERGIT and REE-DRAPE with full details will be supplied on request. Write Riverside Manufacturing Company, 4919 Connecticut Street, St. Louis 9, Mo.

PAID ADVERTISEMENT

DIP-O-MATIC

WATER REPELLENT DIP TANK

Finger tip control. ZIP—it's up and loading. ZIP—it's down and agitating. ZIP—it's up again. With the DIP-O-MATIC water repelling of garments is profitable business!



Write for catalog and prices.

Hopkins EQUIPMENT CO.
HATFIELD, PA.



TIME RECORDER

- Controls payroll time in laundries everywhere
- Reduces tardiness
- Eliminates disputes
- Provides better time records

LATHEM TIME RECORDER COMPANY
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Gentlemen: Please send me further information, catalog and prices.

Name_____

Address_____

City_____ State_____

If You Use Water (and You Do) We Can Cut Your Costs Way Down With

The Lowest Priced
VIC WATER TEMPERATURE REGULATING VALVE



. . . under $40.00 Complete!

Saves Money, Time, Water— Pays for Itself in a Few Weeks!

Easily regulated for any temperature desired!
You need a Vic Water Temperature Regulating Valve on your present Still, Muck Reclaimer, Solvent Saver and Heat Exchanger. It eliminates need for constant checking—once the control is set it maintains a constant water temperature within 3 degrees.

For Synthetic and Petroleum Plants

WRITE FOR DETAILS —
DEPT. NJ-104

Sales and Service in all Principal Cities

VIC CLEANING MACHINE COMPANY
EXPERIENCED SINCE 1912 • MINNEAPOLIS 3, MINN.

PAID ADVERTISEMENT

Read About the Newest and Most Efficient way to pad and cover your presses

Here is a new way to pad and cover your presses in only 3 minutes so that they'll deliver superior pressing for 4 months or longer. Just think of it! You can use a pad made of asbestos, insulating material and a special formula of Goodyear heat resistant Airfoam rubber covered with the wonder cloth, Asbestall, for less than the cost of cotton pads and cover. It's the new Qualitex 2-IN-ONE PAD and COVER, the Airfoam rubber pad with Asbestall cover made as a complete unit.

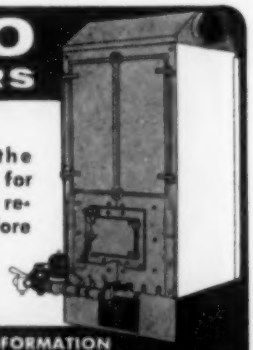
Money Saving Features

Complete 2-IN-ONE PAD and COVER costs the same as rubber pad alone, and is *guaranteed for 4 months*. Each "2-IN-ONE" has a set of 4 springs and hooks included at no extra cost. Metal rods are sewn in the hem of cover for tight, scallop-free installation which takes only 3 minutes. Another time-saving feature is that the cover can be washed without removing from the press. Ask your Jobber about the revolutionary New 2-IN-ONE PAD and COVER, made only by Quality Products Company, 5670 W. Grand Avenue, Chicago 39, Illinois. # #

Put Cancer On The Defensive!

Together we can strike back
Give to
AMERICAN CANCER SOCIETY

ONTARIO STEAM BOILERS



POWER STATION EFFICIENCY IN SMALL SIZE BOILERS

Cleaners—Ontario offers the ideal "package" steam units for new plants, expansion or replacements. Get the facts before you plan!

1½ to 20 hp — Gas, Oil or Coal 15 to 140 psi

WIRE OR WRITE FOR FULL INFORMATION
ONTARIO IRON WORKS, Pulaski 2, N.Y.
BUILDERS OF ONTARIO BOILERS SINCE 1892

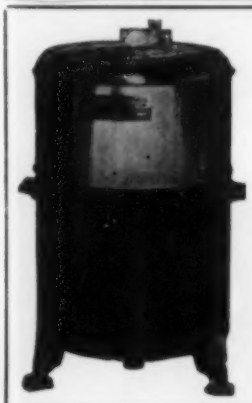


did you miss the BOAT?

Garment Storage is a business builder. Garment Storage adds to your *dry-cleaning* volume. Write for "Changing Space Into Profits", a booklet that covers all your questions. It's FREE!

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BOCK EXTRACTOR

Insist On A Bock and You Will Have The Best We have made Extractors Exclusively For 35 Years

Sizes 15" 17" 20"

BOCK LAUNDRY MACHINE CO.
TOLEDO 2, OHIO

don't put the ...before the

Make the tools fit your operation, NOT the other way around. Whether your tags are written or printed, whether it's laundry or dry-cleaning, (regular or charge systems) PERMAFIBER stands up better than the rest.

So, insist on —

MARKING TAGS made with Permafiber TAG STOCK

MEMBER AMERICAN INSTITUTE OF LAUNDERING CERTIFIED WASHABILITY

MORE LAUNDRY AND DRY CLEANING TAGS ARE BEING MADE OF PERMAFIBER THAN ANY OTHER MARKING TAG STOCK!

... only Marking Tag Stock continuously tested by the American Institute of Laundering

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TIME-SAVERS
97 Walnut St., Montclair, N. J.

GENTLEMEN: Please send without obligation your FREE booklet on TIME-SAVERS "Hi-Speed" RAIL FITTINGS

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FIRM NAME .....

ADDRESS .....

CITY ..... STATE .....

NAME OF JOBBER .....

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THE *ONLY* GRID PLATE THAT NEEDS NO LINER



AT NO PREMIUM PRICE!

GROSS ALUMINUM FOR BETTER PRESSING **STAR GRID-PLATES**

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NOT $25
NOT $20
But the same LOW PRICE of only **$14.85** (up to 46")
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Mushroom, $11.00
From Your Jobber

GROSS STAR PLATES ARE BETTER!

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- MAINTAINS PROPER HEAT
- GIVES A SOLID CREASE
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- ACID TREATED SURFACE
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Units 20 to 500 hp . . . Oil, gas or combination fired. Send for Bulletins BE-3, BE-4 today.



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NAME .....

COMPANY .....

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WITH AUTOMATIC PIECE COUNTER



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Clean, sharp, indelible ribbonized marking. No inking grief. Always ready for use.

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The economy machine for cleaners. Makes, marks and stacks tags. LIKE tags for all orders.



No waste, no loose tags. Makes tags up to 10 characters.



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- Touch-up With Hand Iron; Finishing Hard-finish Fabrics on Offset Press
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My check for $_____ is enclosed.

NAME_____

COMPANY_____

STREET_____

CITY_____ STATE_____

DIRECTORY SECTIONS

The Guidebook of the Drycleaning Industry

▲ CLASSIFIED DIRECTORY . . . PAGE 211

In this section supplies and equipment used by the drycleaning industry, with their manufacturers, are listed alphabetically for easy reference. Products are listed by noun—for example, "Soaps, Wetcleaning," rather than "Wetcleaning Soaps"—except where the two words are joined together by common usage, as in "Sleeve Shapers," rather than "Shapers, Sleeve." The directory is also thoroughly cross-referenced for greater convenience. Display advertisers are listed in bold face type. For page numbers of display advertisements see the Advertisers' Index on page 345.

▲ TRADE NAMES . . . . . PAGE 275

An alphabetical list of trade names of supplies and equipment used in the drycleaning industry, with a description of each product and its manufacturer.

▲ MANUFACTURERS . . . . . PAGE 296

An alphabetical list of all equipment and supply manufacturers with their addresses. When you have found the name of the firm which manufactures the product in which you are interested under the "Classified Directory" or "Trade Names" section, consult this list for its address.

▲ LOCAL BUYERS' GUIDE . . . PAGE 304

This geographical classification of sources of supply provides complete buying information for the drycleaning industry. Here the cleaner will find the jobbers' or manufacturers' branches serving his own community. Firm names followed by (E) are jobbers for equipment; firm names followed by (S) are jobbers for supplies, and firm names followed by (E & S) are jobbers for both equipment and supplies. Bold face type indicates display advertisers. For page numbers of advertisements giving complete product descriptions see Advertisers' Index on page 345.

Every effort is made to insure the completeness and accuracy of the following directory sections. However, this information is published as a service, and no guarantee against errors or omissions is expressed or inferred. Additions or corrections are invited at any time. Please address the publisher.

CLASSIFIED DIRECTORY

manufacturers of equipment and supplies used in the drycleaning industry . . . . . .

ABSORBERS, ODOR

Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
Davies-Young Soap Co.
Emery Industries, Inc., Sanitone Div.
Keystone Chemical Co.

ABSORBERS, VIBRATION

Aetna Felt Co., Inc.
American Brass Co., American Metal Hose Branch
Eclipse-Pioneer Div., Bendix Aviation Corp.
Flexonics Corp.
Johns-Manville
Johnson Metal Hose, Inc.
Raybestos-Manhattan, Inc.
Salomon, L. A., & Bro.
U. S. Rubber Co.

ACCOUNTING MACHINES AND SYSTEMS

Burroughs Adding Machine Co.
National Cash Register Co.
Recordak Corp.
Remington Rand Inc.
Underwood Corp.

ACETATE, ALUMINUM

See: Aluminum Acetate

ACETIC ACID

DuPont de Nemours, E. I., & Co., Inc.
General Chemical Div., Allied Chemical & Dye Corp.
Hachik Bleach Co.
Mallinckrodt Chemical Works

ACETONE

Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
DuPont de Nemours, E. I., & Co., Inc.
Mallinckrodt Chemical Works

ACID-RESISTING BUCKETS

See: Buckets and Pails, Acid-Resisting

ACID-RESISTING HARD RUBBER FITTINGS

See: Fittings, Acid-Resisting, Hard Rubber

ACID-RESISTING PAINT

See: Paint

ACID-RESISTING PIPE

See: Pipe, Acid-Resisting, Alloy

ACID-RESISTING TANKS

See: Tanks, Acid-Resisting

ACIDS

See: Acetic Acid, Oxalic Acid

ACTIVATED CARBON

Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
Darco Dept. (Atlas Powder Co.)
DuPont de Nemours, E. I., & Co., Inc.
Elgin-Refinite, Div. of Elgin Softener Corp.
Infilco, Inc.
Permutit Co.
Salomon, L. A., & Bro.
Stover Water Softener Co.

ADDING MACHINES

Allen, R. C., Business Machines, Inc.
Burroughs Adding Machine Co.
Monroe Calculating Machine Co., Inc.
National Cash Register Co.
Remington Rand Inc.

ADDRESSING EQUIPMENT

Addressograph-Multigraph Corp.
Elliott Addressing Machine Co.

ADSORBENTS

See: Activated Carbon, Filter Powder

ADVERTISING POSTERS

See: Posters

ADVERTISING AND SALES PROMOTION MATERIALS

Allied Printing & Stationery Co., Inc.
Belnap & Thompson, Inc.
Capital Poster Service
Cappel, MacDonald & Co.
Connolly, J. J., Inc.
Crewdson Co.
Diperaft Mfg. Co.
Edwards, Vincent & Co.
Eilenbogen & Shannon, Inc.
Foster-Stephens, Inc.
Larick Mfg. Co.
Linen Suppliers Advertising Corp.
Martin, Reba, Inc.



Master, Geo., Div.
Mulholland Harper Co.
Nashua Corp., Sure-Hold Div.
Rubinoff, M., Inc.
Taylor Host, Inc.
Universal Match Corp.

AFTERCOOLERS

Davis Engineering Corp.
Ingersoll-Rand Co.
Johnson Corp.
Kewanee-Ross Corp.
Murray, D. J., Mfg. Co.
Patterson-Kelley Co., Inc.
Whitlock Mfg. Co.
Worthington Pump & Machinery Corp.
Young Radiator Co.

AIR CLEANERS

Drico Industrial Corp.
Mine Safety Appliances Co.
Wright-Austin Co.

AIR COMPRESSORS

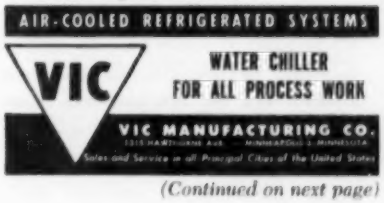
See: Compressors, Air

AIR CONDITIONERS

Brunner Mfg. Co.
Bryant Heater Div., Affiliated Gas Equipment, Inc.
Carrier Corp.
Chrysler Corp., Airtemp Div.
Clarage Fan Co.
Cuno Engineering Corp.
Curtis Mfg. Co.
Kure & Co.
Fairbanks Morse & Co.
Frigidaire Div., General Motors Corp.
General Electric Co.
Kelvinator Div., Nash-Kelvinator Corp.
Minneapolis-Honeywell Regulator Co., Industrial Div.
Murray, D. J., Mfg. Co.
National Ventilating Systems Div., National System of Garage Ventilation, Inc.



Petroleum Heat & Power Co.
Reliable Machine Works, Inc.
Trane Co.
Vic Cleaning Machine Co.



(Continued on next page)

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers opposite the inside back cover for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

Air Conditioners (*Continued*)

Young Radiator Co.
Worthington Pump & Machinery Corp.

AIR COOLERS

See: Coolers, Oil, Water, Air

AIR ELIMINATORS

Armstrong Machine Works
Gorton Heating Corp.
Sarco Co., Inc.
Strong, Carlisle & Hammond Co.
Wright-Austin Co.

AIR FILTERS

Bonn, F. H., Co.
Drico Industrial Corp.
Haertel, Walter, Co.
Le Roi Co., Subsidiary Westinghouse Air Brake Co.
Master Products Co.
Mine Safety Appliances Co.
Minneapolis-Honeywell Regulator Co., Industrial Div.
Strong, Carlisle & Hammond Co.
Taco Heaters, Inc.

AIR GAUGES

See: Gauges, Air

AIR HEATERS

See: Heaters, Air

AIR METERS

See: Meters, Air

AIR SEPARATORS

De Vilbiss Co.
Johnson Corp.
Keckley, O. C., Co.
Strong, Carlisle & Hammond Co.
Wright-Austin Co.

AIR TANKS

See: Tanks, Air

AIR TRAPS

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Armstrong Machine Works
Keckley, O. C., Co.
Sarco Co., Inc.
Squires, C. E., Co.
Sterling Engineering & Mfg. Corp. (Templeton Mfg. Co.)
Strong, Carlisle & Hammond Co.
Wright-Austin Co.

AIR VACUUM SYSTEMS, PRESSES

See: Vacuum Systems, Presses

ALARMS, HIGH- AND LOW-WATER

Bailey Meter Co.
Campbell, J. A., Co.
Cissell, W. M., Mfg. Co., Inc.
Combustion Control Corp.
Cutler-Hammer, Inc.
Hapman-Dutton Co., Dutton Boiler Div.
Johnson Corp.
Kieco Boiler & Engineering Co.
McDonnell & Miller, Inc.
Northern Equipment Div., Continental Foundry & Machine Co.
Schaub, Fred H., Engineering Co., Inc.
Sterling Inc
Wright-Austin Co.
Yarnall-Waring Co.

ALARMS, SIGNAL

Bildwell Mfrs.
Campbell, J. A., Co.
Hammond Laundry-Cleaning Machinery Co.
Huebsch Mfg. Co., Div. American Laundry Machinery Co.
Leslie Co
McDonnell & Miller, Inc.
Norman Control Co.
Photoswitch, Inc.
Rosenthal Mfg. Co.
Sterling, Inc.
U. S. Gauge Div., American Machine & Metals, Inc.
Wright-Austin Co.

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Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
DuPont de Nemours, E. I., & Co., Inc.

ALKALI COMPOUNDS, SPECIAL

Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
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Columbia-Southern Chemical Corp.
Cowles Chemical Co.
Diamond Alkali Co.
Diamond Chemical Co., Inc.
Dow Chemical Co.
Drew, E. F., & Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
General Chemical Div., Allied Chemical & Dye Corp.
Klieginan Bros., Inc.
Kohnstamm, H., & Co., Inc.
Lewis National Corp.
M & M Chemical Co.
North Coast Chemical & Soap Works
Pennsylvania Salt Mfg. Co.
Riverside Chemical Co., Inc.
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Solvay Process Div., Allied Chemical & Dye Corp.
Speare Co.
Stadham Co., Inc.
Stauffer Chemical Co.
Stearns, George, Chemical & Mfg. Co.
Swift & Co.
Thompson-Hayward Chemical Co.
Van Chemical Co.
Washine National Sands, Inc.
Wyandotte Chemicals Corp.

ALKALI-RESISTING PAINT

See: Paint

ALUMINUM ACETATE

DuPont de Nemours, E. I., & Co., Inc.
Mallinckrodt Chemical Works

ALUMINUM CASTINGS

See: Castings, Brass, Bronze and Aluminum

ALUMINUM PAINT

See: Paint

ALUMINUM PIN CARRIERS

See: Pin Carriers

AMMONIA

Armour & Co., Industrial Soap Div.
DuPont de Nemours, E. I., & Co., Inc.
General Chemical Div., Allied Chemical & Dye Corp.
Hachik Bleach Co.
Hood Chemical Co., Inc., Crescent Div.
Mallinckrodt Chemical Works
North Coast Chemical & Soap Works
Olin Mathieson Chemical Corp.
Pennsylvania Salt Mfg. Co.
Thoro Products Co.

AMMONIUM ACID FLUORIDE

See: Sours

ANGLE VALVES

See: Valves, Angle

ANILINE DYES

See: Dyes

ANTISEPTICS

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Drew, E. F., & Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
Fairfield Laboratories
General Dyestuff Corp.
Huntington Laboratories, Inc.
Lincoln Research, Inc.
Mallinckrodt Chemical Works
Stewin Chemicals, Inc.

APRON LACERS, LAUNDRY

See: Lacers, Laundry Apron

APRONLESS IRONERS

See: Ironers, Apronless

APRONS, ALLIGATOR-LACED

Benwall Mfg. Co.
Carson Textile Co., Inc.
Hettrick Mfg. Co.
Kohnstamm, H., & Co., Inc.
Patek & Co.
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Fry Bros. Co.
General Scientific Instrument Co.
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Industrial Products Co.
Keystone Coat & Apron Mfg. Corp.
Kohnstamm, H., & Co., Inc.
Lanning Bag & Specialties Co.
Lewis National Corp.
Manitowoc Cotton Goods Mfg. Co.
Minnesota Chemical Co.
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Pittsburgh Waterproof Co.
Robins, G. S., & Co.
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Stadham Co., Inc.
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Pittsburgh Waterproof Co.
Robins, G. S., & Co.
Speare Co.
Stadham Co., Inc.
Sterling Supply Corp.
Super Laundry Machinery Co., Div. St. Joe Machines, Inc.
Thompson-Hayward Chemical Co.
Tingue, Brown & Co.
Victor Balata & Textile Belting Co.
Whitman Supply Co., Inc.

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Gates Rubber Co.
Goodrich, B. F., Co.
Hodge, Farwell & Co.
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Newhouse Co.
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Ramtite Co., Div. S. Obermayer Co.
Reintjes, George P., Co.

ASBESTOS CEMENT

See: Cement, Asbestos

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American Associated Cos.
Behrstock, L., Co.
Benwall Mfg. Co., Inc.
Bonn, F. H., Co.
Callaway Mills, Inc.
Carey, Philip, Mfg. Co.
Firefly Asbestos Products Co.
Gibraltar Fabrics, Inc.
Gustin-Kramer Co.
Johns-Manville
Knitted Padding Co.
Norton & Williams, Inc.
Pittsburgh Waterproof Co.
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Revolite Div. (Atlas Powder Co.)
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Southern Mills, Inc.
Stadham Co., Inc.
Tingue, Brown & Co.
U. S. Rubber Co., Textile Division

ASBESTOS PAPER

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Carey, Philip, Mfg. Co.
Johns-Manville
Tingue, Brown & Co.

ASH, SODA

See: Soda Ash (Sodium Carbonate)

ASSEMBLY CIRCUITS

See: Conveyors, Monorail

ASSEMBLY HOOKS

Cleaners Sales & Equipment Corp.
Ink-O Products Co.
Perfection Products Co. & Identification, Inc.
Smith, Frank R., Co.
Time Savers, Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

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We GUARANTEE to stop Your Assembly Worries!
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10-day Free Trial Offer
V & W EQUIPMENT CO.
124 S. Blount St. East Point, Ga.

White Machine Co., Inc.

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Haertel, Walter, Co.
Ink-O Products Co.
Para-Lux Products Co.
Perfection Products Co. & Identification, Inc.
Reliable Machine Works, Inc.

ASSEMBLY REELS

See: Sorting Reels

AUTOGRAPHIC REGISTERS

See: Registers, Autographic

AUTOMATIC CONTROLS

See: Controls and Regulators (specific headings), also see: Timers, Washer

AUTOMATIC COUNTERS

See: Counters, Automatic

AUTOMATIC SCALES

See: Scales

AUTOMATIC TIMERS

See: Washer Timers and Controls

AUTOMATIC VALVES

See: Valves, Automatic

AUTOMATIC WASHERS

See: Washers, Automatic

AUTOMOBILE GOVERNORS

See: Governors, Automobile

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Parisian Novelty Co.
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Stafford Mfg. Co., Inc.

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Bros, Wm., Boiler & Mfg. Co.
Engineer Co.
Mexico Refractories Co.
Ramtite Co., Div. S. Obermayer Co.

BAG AND NET HOLDERS

See: Holders, Bag and Net

BAGGERS, GARMENT

B & G Machinery Co., Inc.
Bishop, G. H., Co.
Comet Envelope & Paper Co., Inc.
Huebsch Mfg. Co., Div. American Laundry Machinery Co.
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IN USE IN HUNDREDS OF PLANTS
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West Side Corp.
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Cade Paper & Bag Corp.
Canvas Specialty Co.
Carson Textile Co., Inc.
Colorado Tent & Awning Co.
Daniels, C. R., Inc.
Davis Mills, Inc.
Gustin-Kramer Co.
Lanning Bag & Specialties Co.
Lewis National Corp.
Manitowoc Cotton Goods Mfg. Co.
Phoenix Products Co.
Pittsburgh Waterproof Co.
Robins, G. S., & Co.
Sak-Rak Co.
Stadham Co., Inc.
Standard Garment Co.
State Sanitary Supply Co.
Tingue, Brown & Co.
Troy Sunshade Co.
Zuckerberg Co.

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Bonn, F. H., Co.
Callaway Mills, Inc.
Carson Textile Co., Inc.
Daniels, C. R., Inc.
Davis Mills, Inc.
Equitable Paper Bag Co., Inc.
Gustin-Kramer Co.
Lewis National Corp.
Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Pak-Rite Flexible Packaging Co.
Pittsburgh Waterproof Co.
Sani-Top Co.
Southern Mills, Inc.
Stadham Co., Inc.
Tingue, Brown & Co.
Troy Sunshade Co.
Zuckerberg Co.

BAGS, DRESS-SHIRT

Bond Street Bag & Paper Corp.
Cade Paper & Bag Corp.
Clear-View Packaging Co.
Colonial Envelope Co., Inc.
Comet Envelope & Paper Co., Inc.
Duro Envelope Co.
Equitable Paper Bag Co., Inc.
Everett Sales & Equipment Corp.
Kennedy Car Liner & Bag Co., Inc.
Lee Converters, Inc.
Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Mehl Mfg. Co.
Moser Bag & Paper Co.
Pak-Rite Flexible Packaging Co.
Para-Lux Products Co.
Patek & Co.
Phoenix Products Co.
Rosenthal Paper Co.
Southland Enterprises
Spear Box Co., Inc.
Tele-Vue Packaging Products, Inc.
Time Savers, Inc.
West Side Corp.
Zuckerberg Co.

BAGS, DRYCLEANERS'

Akro Paper Co.
American Coat Hanger Mfg. Co.
Atlanta Paper Co.
Bond Street Bag & Paper Corp.
Bonn, F. H., Co.
Cade Paper & Bag Corp.
Colonial Envelope Co., Inc.
Daniels, C. R., Inc.
Diem & Wing Paper Co.
General Cleaners Products Co.
Great Eastern Paper Converters, Inc.
International Paper Co.
Katz Bag Co.
Kennedy Car Liner & Bag Co., Inc.
Kordite Corp.
Lee Converters, Inc.
Lincoln Bag Co., Inc.
Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Mehl Mfg. Co.
Moser Bag & Paper Co.
Mutual Paper Box Co., Inc.
Pak-Rite Flexible Packaging Co.
Patek & Co.
Phoenix Products Co.
Rassenfoss Bag Co.
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Spear Box Co., Inc.
Stadham Co., Inc.
Tele-Vue Packaging Products, Inc.
Tingue, Brown & Co.
U. S. Tissue Converting Co.
West Side Corp.

BAGS, FEATHER

Manitowoc Cotton Goods Mfg. Co.

BAGS, FILTER

See: Filter Bags

BAGS, HAT

See: Hatters' Supplies

BAGS, LAUNDRY, PAPER

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Atlanta Paper Co.
Bond Street Bag & Paper Corp.
Cade Paper & Bag Corp.
Century Paper Products
Clopay Corp.
Davis Mills, Inc.
Diem & Wing Paper Co.
Equitable Paper Bag Co., Inc.
International Paper Co.
Kennedy Car Liner & Bag Co., Inc.
Lincoln Bag Co., Inc.
Majestic Paper & Twine Co., Inc. (Laundary & Drycleaning Supply Div.)
Mehl Mfg. Co.
Moser Bag & Paper Co.
Package Masters, Inc.
Patek & Co.
Phoenix Products Co.
Rosenthal Paper Co.
Schor Paper Co.
Spear Box Co., Inc.
Tele-Vue Packaging Products, Inc.
West Side Corp.
Wormstead, Smith & Loomis, Inc.

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Colonial Envelope Co., Inc.
Diem & Wing Paper Co.
Duro Envelope Co.
Equitable Paper Bag Co., Inc.
Gustin-Kramer Co.
Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Mehl Mfg. Co.
Moser Bag & Paper Co.
Pak-Rite Flexible Packaging Co.
Para-Lux Products Co.
Patek & Co.
Phoenix Products Co.
Rosenthal Paper Co.
Southland Enterprises
Spear Box Co., Inc.
Time Savers, Inc.
U. S. Tissue Converting Co.
West Side Corp.

BAGS, PANTS OR TROUSER

Andrew Paper Box & Bag Corp.
Bond Street Bag & Paper Corp.
Cade Paper & Bag Corp.
Diem & Wing Paper Co.
Dixie Hanger Co.
Equitable Paper Bag Co., Inc.
International Paper Co.
Kennedy Car Liner & Bag Co., Inc.
Lincoln Bag Co., Inc.
Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Mehl Mfg. Co.
Moser Bag & Paper Co.
Mutual Paper Box Co., Inc.
Patek & Co.
Phoenix Products Co.
Rassenfoss Bag Co.
Spear Box Co., Inc.
West Side Corp.

BAGS, SHIRT

See: Shirt Bags

BOLD TYPE LISTINGS

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For manufacturers' addresses see MANUFACTURERS' list beginning page 296

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Atlanta Paper Co.
Clear-View Packaging Co.
Clopay Corp.
Comet Envelope & Paper Co., Inc.
Diem & Wing Paper Co.
International Paper Co.
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Kordite Corp.
Lincoln Bag Co., Inc.
Mehl Mfg. Co.
Phoenix Products Co.
Rassenfoss Bag Co.
Reliable Machine Works, Inc.
Rosenthal Paper Co.
Spear Box Co., Inc.
West Side Corp.

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Duro Envelope Co.
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Kwik-Kover Sales Co.
Phoenix Products Co.
Southland Enterprises
Time Savers, Inc.

BAGS, WETWASH

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Tingue, Brown & Co.
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See: Bearings, Ball

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MASTER Seal
SHIRT BANDS
PACKAGE MASTERS, INC.
2525 S. Wabash Ave., Chicago 16, Ill.

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Patek & Co.
Phoenix Products Co.
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See: Extractor Baskets

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Roller Bearing Co. of America
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Link-Belt Co.
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BEARINGS, METAL

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See: Rug and Carpet Beaters

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See: Cement, Belt

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See: Conveyors (under specific headings)

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See: Fasteners, Belt

BELT GUARDS

See: Guards, Belt

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Time Savers, Inc.
Vara, A. G., & Son

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Philadelphia Belting Co.
Southern Mills, Inc.
Victor Balata & Textile Belting Co.
Webb Belting & Supply Co.

BELT LACERS

See: Lacers, Belt

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

BELT PRESERVATIVES

See: Preservatives, Belt

BENCH SCALES

See: Scales

BENTONITE CLAY

See: Clay, Bentonite

BINDING, BLANKET

Hope Webbing Co.
Zuckerberg Co.

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See: Tags, Bin

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See: Binding, Blanket

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See: Finishers, Blanket

BLANKET STRETCHERS

See: Stretchers, Blanket

BLANKET WASHERS

See: Washers, Blanket

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See: Heaters, Blast

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Stearns, George, Chemical & Mfg. Co.
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Trio Chemical Works, Inc.
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Washine National Sands, Inc.

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See: Bleach-Making Machines

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Street, R. R., & Co., Inc.
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BLIND-STITCH SEWING MACHINES

See: Sewing Machines, Blind-Stitch

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Excelsior Machinery Co.
Hatters Supply House, Inc.
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Stephens-Adamson Mfg. Co.
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See: Spot Removers, Spotting Agents, Stain Removers

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See: Valves, Blowoff

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See: Ironing Boards and Tables

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See: Shirt Boards

BOARDS, SHIRT-FOLDING

See: Shirt-Folding Boards

BOARDS, SPOTTING

See: Spotting Boards and Tables

BOARDS, STEAM

See: Steam Boards

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See: Baffles, Boiler

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See: Blowdown Systems, Boiler

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Prevents Boiler Scale, Stops Pitting, Inhibits Rust, Corrosion & Embrittlement
Specifically prepared to solve your own individual water problem—Send sample for free analysis
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Avoid Breakdown—Keep Your Boiler Clean
SCIENTIFIC SCALE REMOVER
Removes & prevents—with money back guarantee
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See: Pumps, Boiler Feed

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Columbia Boiler Co.
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Decatur Pump Co.
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(Continued on next page)

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For manufacturers' addresses see MANUFACTURERS' list beginning page 296

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Worthington Pump & Machinery Corp.

BOILER FEED TESTING SYSTEMS

See: Testing Systems, Boiler Feed

BOILER FEED TRAPS

See: Traps, Boiler Feed

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See: Insulation, Pipe and Boiler

BOILER LEVEL RECORDERS

See: Recorders, Boiler Level

BOILER METERS

See: Meters, Boiler

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See: Valves, Boiler Non-Return

BOILER PROTECTORS

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Eclipse Fuel Engineering Co.
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Glover, Bill, Inc.
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Webster, Warren, & Co.
West Texas Marine Boiler Works, Inc.
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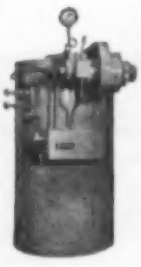
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Oil or Gas Fired—

Sizes 4 to 30 H. P.

15 to 125 PSI Design Press



The Fulton Steam Boiler — the life time boiler. No tubes or coils to burn out, no costly repairs and shut-downs.

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- **Compact**
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- **Low priced**

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Kresky Mfg. Co., Inc.
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Leffel, James, & Co.
Livingstone Engineering Co.
Lookout Boiler & Mfg. Co.
Lucey Boiler & Mfg. Co.
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Mears-Kane-Ofeldt, Inc.
Morheat Corp.
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Orr & Sembower, Inc.
Parker, Sid E., Boiler Mfg. Co., Inc.
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Sellers Engineering Co.
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6 HP through 150 HP

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Clayton Mfg. Co.
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Drew, E. F., & Co., Inc.
Huntington Laboratories, Inc.
Kisco Boiler & Engineering Co.
KleanMore Laboratories, Inc.
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Oakite Products, Inc.
Patek & Co.
Permutit Co.
Riverside Chemical Co., Inc.
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Trio Chemical Works, Inc.

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Reintjes, George P., Co.
Steamaster Automatic Boiler Co.
Williams & Davis Boiler Welding Co., Inc.

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General Chemical Div., Allied Chemical & Dye Corp.
Maas, A. R., Chemical Co., Div. Victor Chemical Works
National Aluminate Corp.
National Chemical Sales Co., Laboratory, Inc.
Permutit Co.
Riverside Chemical Co., Inc.
Rumford Chemical Works
Solvay Process Div., Allied Chemical & Dye Corp.
Stearns, George, Chemical & Mfg. Co.
Strong, Carlisle & Hammond Co.

BOILER WATER TREATMENT

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American Water Softener Co.
Butler Engineering Co.
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
Cochrane Corp.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

Culligan Zeolite Co.
Doctor Boiler, Inc.
Drew, E. F., & Co., Inc.
Elgin-Refinite, Div. of Elgin Softener Corp.
Graver Tank & Mfg. Co., Inc.
Hagan Corp.
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Lincoln Research, Inc.
National Aluminate Corp.
National Chemical Sales Co., Laboratory, Inc.
Permutit Co.
Proportioneers, Inc.
Riverside Chemical Co.
Scientific Boiler Water Conditioning
State Mfg. Co., Inc.
Stearns, George, Chemical & Mfg. Co.
Strong, Carlisle & Hammond Co.
Worthington Pump & Machinery Corp.

BONE BUTTONS

See: Buttons

BOOKKEEPING MACHINES

See: Registers, Cash and Control

BOOKS, SALES

See: Sales Books

BOOTS, RUBBER

Goodrich, B. F., Co.
U. S. Rubber Co.

BORAX

Columbia-Southern Chemical Corp.
DuPont de Nemours, E. I., & Co., Inc.
General Chemical Div., Allied Chemical & Dye Corp.
Innis, Speiden & Co.
Pacific Coast Borax Co.
Sergeant, E. M., Pulp & Chemical Co., Inc.
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Para-Lux Products Co.
Quik-Pac Div., H. Wesley Hutchins Co.
Rosenthal Paper Co.
Spear Box Co., Inc.
Sutherland Paper Co.
U. S. Tissue Converting Co.
West Side Corp.

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Kirk & Blum Mfg. Co.
Miller Laundry Machinery Co.
Republic Steel Corp.

BOXES, WOOD

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Kentucky Box & Truck Co.
Lewis, G. B., Co.
Thoro Products Co.

BRAKE AND CLUTCH BRAKE MATERIALS

See: Friction Materials, Brakes, Clutches, etc.

BRASS

See: Copper and Brass

BRASS CASTINGS

See: Castings, Brass, Bronze, Aluminum and Alloy

BRASS PIN CARRIERS

See: Pin Carriers

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Cowles Chemical Co.
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Minnesota Chemical Co.
M & M Chemical Co.
Oakite Products, Inc.
Pennsylvania Salt Mfg. Co.
Procter & Gamble Distributing Co.
Speare Co.
Stadham Co., Inc.
Stearns, George, Chemical & Mfg. Co.
Swift & Co.
Van Chemical Co.
Wyandotte Chemicals Corp.

BRICK PAINT

See: Paint

BRONZE CASTINGS

See: Castings, Brass, Bronze, Aluminum and Alloy

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National Hatters Supply Co.
Newhouse Co.
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See: Covers, Button and Buckle

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Diamond Chemical Co., Inc.
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Kohnstamm, H., & Co., Inc.
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Minnesota Chemical Co.
M & M Chemical Co.
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Thompson-Hayward Chemical Co.
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Victor Chemical Works
Wyandotte Chemicals Corp.

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Industrial Products Co.
Mine Safety Appliances Co.
Stafford Mfg. Co., Inc.

BUNDLE DROPS

See: Drop Boxes

BUNDLE RACKS

See: Racks, Bundle

BUNDLE TYERS

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National Bundle Tyer Co.
Simmons Machine Co.

BURNERS, COAL

See: Stokers

BURNERS, GAS

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Combustioneer Div., Steel Products Engineering Co.
Crane Co.
Dewey-Shepard Boiler Co.
Eclipse Fuel Engineering Co.
Engineer Co.
Lattner, P. M., Mfg. Co.
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Norman Control Co.
Orr & Sembower, Inc.
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Sellers Engineering Co.
Simplex Oil Heating Corp.
Stout, David, & Sons
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Williams & Davis Boiler & Welding Co., Inc.

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(Continued on next page)

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See: Covers, Button and Buckle

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See: Pin-Tray Cabinets

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See: Storage Cabinets

CABINETS, TOWEL

See: Towel Cabinets

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See: Bleach

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See: Registers, Cash and Control

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See: Hampers

CANVAS PIN CARRIERS

See: Pin Carriers

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See: Trucks, Industrial

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See: Driers, Rug and Carpet

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Drew, E. F., & Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

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Innis, Speiden & Co.
Mallinckrodt Chemical Works
Olin Mathieson Chemical Corp.
Pennsylvania Salt Mfg. Co.
Solvay Process Div., Allied Chemical & Dye Corp.
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See: Bags, Shirt

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Pittsburgh Waterproof Co.
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Tingue, Brown & Co.

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Ramtite Co., Div. S. Obermayer Co.
Ruberoid Co.

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See: Paint

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See: Pumps (under specific headings)

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See: Stokers

CHAIN TRANSMISSION

See: Transmission, Chain

CHANNEL ROOFING, METAL

See: Roofing, Channel, Metal

CHARGE SYSTEMS, DRYCLEANING

See: Detergents, Drycleaning, Charge Type

CHECK VALVES

See: Valves, Check

CHEMICAL FEEDERS

See: Feeders, Chemical

CHEMICAL PUMPS

See: Pumps, Chemical

CHEMICALS, BOILER-WATER

See: Boiler-Water Chemicals

CHEMICALS, STEAM-TREATING

See: Steam-Treating Chemicals

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See: Stacks

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See: Test Kits, Chlorine

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See: Cover-Cloth Clamps or Strings

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See: Air Cleaners

CLEANERS, CUFF

See: Cuff Cleaners

CLEANERS, DRAINPIPE

See: Drainpipe Cleaners

CLEANERS, PRESS

See: Press Cleaners

CLEANERS, PRESS-HEAD

See: Press-Head Cleaners

CLIPPER-LACED APRONS

See: Aprons, Clipper-Laced

CLIPS, HANGER

See: Hanger Clips

CLOCKS, TIME

See: Controls and Regulators, Time

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Lathem Time Recorder Co.

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Callaway Mills, Inc.

(Continued on next page)

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Raybestos-Manhattan, Inc.
Smith, X. S., Inc.
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Tingue, Brown & Co.
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See: Bags, Cloth

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See: Carding Cloth

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CLOTH DAMPENERS

See: Dampeners, Cloth

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See: Conveyors, Coal and Ash

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COLLAR AND SEAM DAMPENERS

See: Dampeners, Collar and Seam

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See: Replacements, Collar, Cuff and Neckband

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New York Pressing Machinery Corp.
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COLLAR IRONERS

See: Ironers, Collar

COLLAR PROTECTORS

See: Protectors, Collar

COLLAR SHAPERS

See: Shapers, Collar

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Collar Smooth Sales Co.
Key-Tag Checking System Co.

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Andrew Paper Box & Bag Corp.
Century Paper Products Co.
Dee Paper Co.
Dixie Hanger Co.
Garment Hanger Co.
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Hodge, Farwell & Co., Inc.
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Majestic Paper & Twine Co., Inc., (Laundry & Drycleaning Supply Div.)
Nashua Corp., Sure-Hold Div.
Package Masters, Inc.



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See: Spot Removers, Spotting Agents, Stain Removers

COLLOIDAL CLAY

See: Clay, Colloidal

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See: Cabinets, Deodorizing and Drying

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Hopkins Equipment Co.
Keystone Scent Conditioning Corp.
Martin Equipment Co., Div. American Laundry Machinery Co.
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See: Builders and Designers

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Pabst Brewing Co., Industrial Products Div.
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Krasan Products, Inc.
Lincoln Research, Inc.
Marclene Chemical Corp.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

Marshall Co.
Merson Products Co.
National Cleaners Chemical Mfg. Co.
Nu-Pro Mfg. Co.
O. D. Chemical Co.
Package Chemical Co., Inc.
Patek & Co.
Pennsylvania Salt Mfg. Co.
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Schundler, F. E., & Co., Inc.
Slater-Robbins Co., Inc.
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Stadham Co., Inc.
Stamford Chemical Co.
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Stearns, George, Chemical & Mfg. Co.
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Trico Chemical Div., Tri-State Equipment Co.
Trio Chemical Works, Inc.
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Davies-Young Soap Co.
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Geigy Industrial Chemicals, Div. Geigy Chemical Corp.
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Huntington Laboratories, Inc.
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Keystone Chemical Co.
Kohnstamm, H., & Co., Inc.
Laundry Chemicals Co.
Lewis National Corp.
Los Angeles Soap Co.
Marclene Chemical Corp.
Marshall Co.
Merson Products Co.
M & M Chemical Co.
National Cleaners Chemical Mfg. Co.
North Coast Chemical & Soap Works
Nu-Pro Mfg. Co.
O. D. Chemical Co., Inc.
Package Chemical Co., Inc.
Patek & Co.
Pennsylvania Salt Mfg. Co.
Philadelphia Quartz Co.
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Thompson-Hayward Chemical Co.
Thomson Chemical Co.
Trio Chemical Works, Inc.
Waeco Laboratories
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Wilson, A. L., Chemical Co.
Wyandotte Chemicals Corp.

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See: Bags, Diaper

DIAPER CAN DEODORANTS

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Keystone Chemical Co.
Van Chemical Co.

DIAPER CANS

Dover Stamping Co.
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Sterwin Chemicals, Inc.

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DIESEL GENERATORS

See: Generators, Electric

DIESEL TRUCKS

See: Trucks, Industrial

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Hercules Powder Co.
Huntington Laboratories, Inc.
Jay-Dee, Inc., Mfg. Chemists
Keystone Chemical Co.
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Oakite Products, Inc.
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Pennsylvania Refining Co.
Pennsylvania Salt Mfg. Co.
Riverside Chemical Co., Inc.
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Stearns, George, Chemical & Mfg. Co.
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National Dryer Mfg. Co.
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DRIVES, "V" BELT

See: "V" Belt Drives

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See: Fur Cleaning Equipment

DRYCLEANERS' BAGS

See: Bags, Drycleaners'

DRYCLEANING BRUSHES

See: Brushes

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DRYCLEANING EXTRACTORS

See: Extractors, Drycleaning

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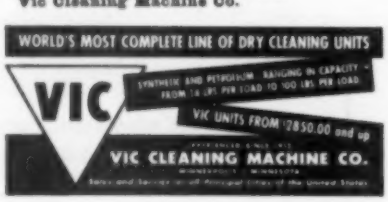
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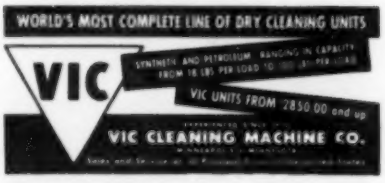
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DUCK COVERS

See: Press Covers or Cloth, Cover

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DUMP VALVES, WASHER

See: Valves, Washer Dump

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North American Dye Corp.
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DYES, LAUNDRY

See: Dyes

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See: Generators, Electric

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See: Hoists

ELECTRIC IRONS

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ELECTRIC METERS

See: Meters, Electric

ELECTRIC MOTORS

See: Motors, Electric

ELECTRIC SWITCHGEAR

See: Switchgear, Electric

ELECTRIC TIMERS

See: Timers, Electric

ELECTRIC TRANSFORMERS

See: Transformers, Electric

ELECTRIC TRUCKS

See: Trucks, Industrial

ELECTROLYTIC BLEACH-MAKING MACHINES

See: Bleach-Making Machines

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See: Air Eliminators

ELIMINATORS, ODOR

See: Odor Eliminators

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Conrad Embroidery Co.

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See: Badges, Employees'

EMULSIFIER, PINE-OIL

See: Pine-Oil Emulsifier

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Hercules Powder Co.
Lincoln Research, Inc.
Nameo Chemical Corp.
National Cleaners Chemical Mfg. Co.
Riverside Chemical Co.

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Horn, A. C., Co., Inc.
Keystone Chemical Co.
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Prosperity Co., Inc.

EXPANSION, JOINTS

American District Steam Co., Inc.
Crane Co.
Flexonics Corp.
Johns-Manville
Walworth Co.
Yarnall-Waring Co.

EXTINGUISHERS, FIRE

American-La France-Foamite Corp.
Ansul Chemical Co.
Bostwick Laboratories
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
C-O-Two
General Detroit Corp.
General Pacific Corp.
Kidde, Walter, & Co., Inc.
Pyrene Mfg. Co
Randolph Laboratories, Inc.

EXTRACTOR BASKETS

Allcraft Mfg. Co.
American Laundry Machinery Co.
Chicago Dryer Co.
Cummings-Landau Laundry Machinery Co., Inc.
Ellis Drier Co.
Hamilton Copper & Brass Works
Hammond Laundry-Cleaning Machinery Co.
Keystone Laundry Machinery Co.
Leebaw Mfg. Co.
Mitchell, J. B., Co.
Ohio Centrifugals Co.
Pellerin Milnor Corp.
Super Laundry Machinery Co., Div. St. Joe Machines, Inc.
U. S. Hoffman Machinery Corp.
Western Laundry Machinery Co.

EXTRACTOR COVERS

American Associated Cos.
Benwall Mfg. Co.
Bonn, F. H., Co.
Cummings-Landau Laundry Machinery Co., Inc.
Daniels, C. R., Inc.
Keystone Laundry Machinery Co.
Manitowoc Cotton Goods Mfg. Co.
Quality Products Co.
Southern Mills, Inc.
Stadham Co., Inc.
Tingue, Brown & Co.
Zellermayer & Co.
Zuckerberg Co.

EXTRACTOR CYCLE CONTROL, AUTOMATIC

Atlas Steel Products, Inc.
Master Mfg. Corp.
Norman Control Co.
Pellerin Milnor Corp.
Super Laundry Machinery Co., Div. St. Joe Machines, Inc.

EXTRACTORS, DRYCLEANING

American Cleaners Equipment Co., Div. American Laundry Machinery Co.
Bock Laundry Machine Co.
Butler Mfg. Co.
California Laundry Equipment Co.
Columbia Laundry Machinery Co.
Cook Machinery Co., Inc.
Cummings-Landau Laundry Machinery Co., Inc.
Fletcher Works, Inc.
Gross Machinery Co., Inc.
Hammond Laundry-Cleaning Machinery Co.
Haring & Stephens Co.
Hercules Laundry Machinery Co., Inc.
Hydraxtor Co., Div. Zephyr Laundry Machinery Co.
Kelley Iron Works
Keystone Laundry Machinery Co.
Midwest Laundry & Cleaning Machinery Co.
Mitchell, J. B., Co.
Ohio Centrifugals Co.
Pantex Mfg. Co.
Pellerin Milnor Corp.
Prosperity Co., Inc.
Standard Laundry & Cleaning Machinery Co.
U. S. Hoffman Machinery Corp.
Vic Cleaning Machine Co.
West Coast Laundry Machinery Co.
Western Laundry Machinery Co.

EXTRACTORS, HYDRAULIC

Cummings-Landau Laundry Machinery Co., Inc.
Hammond Laundry-Cleaning Machinery Co.
Hydraxtor Co., Div. Zephyr Laundry Machinery Co.
Miller Laundry Machinery Co.
Prosperity Co., Inc.
Strike's Laundry Machinery, Inc.
U. S. Hoffman Machinery Corp.

EXTRACTORS, LAUNDRY

American Laundry Machinery Co.
Bock Laundry Machine Co.

BOCK EXTRACTOR

Makers of Extractors Exclusively for 35 Years

Sizes 15" 17" 20" 24" (50 lb.)

Butler Mfg. Co.
California Laundry Equipment Co.
Chicago Dryer Co.
Columbia Laundry Machinery Co.
Cook Machinery Co., Inc.
Cummings-Landau Laundry Machinery Co., Inc.



Ellis Drier Co.
Fletcher Works, Inc.
Gross Machinery Co., Inc.
Hammond Laundry-Cleaning Machinery Co.
Haring & Stephens Co.
Hercules Laundry Machinery Co., Inc.
Hydraxtor Co., Div. Zephyr Laundry Machinery Co.
Kelley Iron Works
Keystone Laundry Machinery Co.
Mid-West Machine & Tool Co.
Mitchell, J. B., Co.
Ohio Centrifugals Co.
Pantex Mfg. Corp.
Pellerin Milnor Corp.



Prosperity Co., Inc.
Speed Queen Corp., Ironer Div.
Standard Laundry & Cleaning Machinery Co.
Super Laundry Machinery Co., Div. St. Joe Machines, Inc.
Troy Laundry Machinery Div., American Machine & Metals, Inc.
U. S. Hoffman Machinery Corp.
West Coast Laundry Machinery Co.
Western Laundry Machinery Co.

EXTRACTORS, MECHANICAL UNLOADING

American Laundry Machinery Co.
Cummings-Landau Laundry Machinery Co., Inc.
Ellis Drier Co.
Fletcher Works, Inc.
Super Laundry Machinery Co., Div. St. Joe Machines, Inc.
Troy Laundry Machinery Div., American Machine & Metals, Inc.
U. S. Hoffman Machinery Corp.

EXTRACTOR SPRAY RINSE UNITS

See: Spray Rinse Units, Extractor

EXTRACTORS, STARCH

American Laundry Machinery Co.
Bock Laundry Machine Co.
Chicago Dryer Co.
Cummings-Landau Laundry Machinery Co., Inc.
Ellis Drier Co.
Hammond Laundry-Cleaning Machinery Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

Haring & Stephens Co.
Mitchell, J. B., Co.
Pellerin Milnor Corp.
Speed Queen Corp., Ironer Div.

FABRIC FINISHING AGENTS

See: Finishing Agents

FABRICS, UNIFORM

See: Uniform Fabrics

FABRIC TESTERS

See: Testers, Cloth and Fabric

FANS, EXHAUST AND VENTILATING

Aerovent Fan Co.
American Coolair Corp.
Carey, Philip, Mfg. Co.
Chelsea Fan & Blower Co., Inc.
Clarage Fan Co.
Cleveland Heater Co.
DeBothezat Fans Div., American Machine & Metals, Inc.
DeVilbiss Co.
Diehl Mfg. Co., Electrical Div., Singer Mfg. Co.
Easy Industries
Ilg Electric Ventilating Co.
International Engineering Inc.
Kisco Boiler & Engineering Co.
Martin Fan & Blower Co.
Moore Co.
Murray, D. J., Mfg. Co.
Reliable Machine Works, Inc.
Schwitzer-Cummins Co.
Sturtevant Div., Westinghouse Electric Corp.
Sun Fluorescent Electric Co.
Trane Co.
Troy Laundry Machinery Div., American Machine & Metals, Inc.
United Vacuum Appliance Corp.

FANS, PROPELLER

Aerovent Fan Co.
American Coolair Corp.
Carey, Philip, Mfg. Co.
Clarage Fan Co.
Chelsea Fan & Blower Co., Inc.
Cleveland Heater Co.
DeBothezat Fans Div., American Machine & Metals, Inc.
DeVilbiss Co.
Ilg Electric Ventilating Co.
International Engineering, Inc.
Kisco Boiler & Engineering Co.
Martin Fan & Blower Co.
Moore Co.
Schwitzer-Cummins Co.
Trane Co.

FASTENERS, BELT

Bristol Co.
Clipper Belt Lacer Co.
Commercial Tag Co.
Crescent Belt Fastener Co.
Flexible Steel Lacing Co.
Philadelphia Belting Co.
Williams, I. B., &Sons

FASTENERS, COLLAR AND CUFF

Commercial Tag Co.
Risdon Mfg. Co.
Steele, J. W., & Co.
Sureloc Paper Clip Co.

FASTENERS, SLIDE

Arrow Mfg. Co.
Kee Zipper Corp.
Lieberman, B. & G., Co.
Snag-Pruf Corp.
Talon, Inc.

FASTENERS, SLIDE, REPAIR EQUIPMENT AND TOOLS

High Chemical Co.
Snag-Pruf Corp.
Talon, Inc.

FATTY-ACID TEST KIT

Adrian Research & Chemical Co., Inc.
Anderson-Prichard Oil Corp.
Benda Products, Inc.
Drew, E. F., & Co., Inc.
National Cleaners Chemical Mfg. Co.
Street, R. R., & Co., Inc.
Westvaco Chemical Div., Food Machinery & Chemical Corp.

FEATHER RENOVATOR

Huebsch Mfg. Co., Div. American Laundry Machinery Co.

FEATHER STERILIZING MACHINES

See: Sterilizing Machines, Pillow, Feather

FEEDERS, CHEMICAL

American Water Softener Co.
Cochrane Corp.
Culligan Zeolite Co.
Elgin-Refinite, Div. of Elgin Softener Corp.
Graver Tank & Mfg. Co., Inc.
Hungerford & Terry, Inc.
Infilco, Inc.
National Chemical Sales Co., Laboratory, Inc.
Oshkosh Filter & Softener Co.
Permutit Co.
Proportioneers, Inc.

FEED PUMPS, BOILER

See: Pumps, Feed-Water

FEED RIBBON LACERS

See: Lacers, Feed Ribbon

FEED RIBBONS

See: Ribbons, Feed

FEED RIBBONS, NYLON

See: Ribbons, Feed

FEED SYSTEMS, BOILER

See: Boiler Feed Systems

FEED-WATER CONTROLS

See: Controls and Regulators (under specific headings)

FEED-WATER HEATERS

See: Heaters, Feed-Water

FEED-WATER METERS

See: Meters, Feed-Water

FEED-WATER PUMPS

See: Pumps, Feed-Water

FEED-WATER REGULATORS

See: Controls and Regulators, Feed-Water

FEED-WATER SYSTEMS

American District Steam Co., Inc.
American Water Softener Co.
Butler Engineering Co., Inc.
Cissell, W. M., Mfg. Co., Inc.
Cyclotherm Div. U. S. Radiator Corp.
Eclipse Fuel Engineering Co.
Elgin-Refinite, Div. of Elgin Softener Corp.
Hammond Laundry-Cleaning Machinery Co.
Hapman-Dutton Co., Dutton Boiler Div.
Hungerford & Terry, Inc.
Kisco Boiler & Engineering Co.
McDonnell & Miller, Inc.
Marshall Heater Co.
Patterson-Kelley Co., Inc.
Permutit Co.
Proportioneers, Inc.
Schaub, Fred H., Engineering Co., Inc.
Sterling, Inc.
Sterling Engineering & Mfg. Corp. (Templeton Mfg. Co.)
U. S. Hoffman Machinery Corp.

FEED-WATER TEST CONTROLS

See: Controls and Regulators, Feed-Water

FEED-WATER TESTING SYSTEMS

See: Testing Systems, Feed-Water

FELT PADDING

See: Pads and Padding, Press and Ironer

FELTS, FILTER

See: Filter Felts

FIBER BOXES

See: Boxes, Fiber and Paper

FIBER HAMPERS

See: Hampers

FIBER HAND TRUCKS

See: Trucks, Industrial

FILTER BAGS

Bonn, F. H., Co.
Brady Conveyors Corp.
Bowser, Inc.
Butler Mfg. Co.
Carson Textile Co., Inc.
Davis Mills, Inc.
Hopkins Equipment Co.
Manitowoc Cotton Goods Mfg. Co.
Pantex Mfg. Corp.
Quality Products Co.
Sec-O-Matic Corp.
Stadham Co., Inc.
Stanley, William W., Co., Inc.
Tee Specialties
Vic Cleaning Machine Co.
Zellermayer, Nathan, & Co.
Zuckerberg Co.

FILTER CLOTH

See: Cloth, Filter

FILTER FELTS

American Felt Co.
Stanley, William W., Co., Inc.

FILTER POWDER

Adrian Research & Chemical Co., Inc.

AID-SOL
with or without Chlorophyll
The Solvent Purifier that removes Fatty Acid WITHOUT removing your Charge Detergent!
Write for your copy of the N. I. D. Bulletin F-10
Adrian Research & Chemical Co., Inc.
North Wales, Penna.

Dicalite Div., Great Lakes Carbon Corp.
Filtrol Corp.
Innis, Speiden & Co.
Johns-Manville
Kente Corp.
Salomon, L. A., & Bro.
Westvaco Chemical Div., Food Machinery & Chemical Corp.

FILTER-POWDER DISPENSERS

Bishop, G. H., & Co.
Infilco, Inc.
Powder Dispenser

Pays for Itself with Powder Saving
50 lb. Storage; preheated—15 lbs. steam
dispenses from ½ to 2 lbs.
Write for Information & Price List
POWDER DISPENSER
P. O. Box 92 Palestine, Texas

FILTERS, AIR

See: Air Filters

FILTER SCREENS

Bonn, F. H., Co.
Bowser, Inc.
Butler Mfg. Co.
Gross Machinery Co., Inc.
Hammond Laundry-Cleaning Machinery Co.
Mitchell, J. B., & Co.
Pantex Mfg. Corp.
Sec-O-Matic Corp.
U. S. Hoffman Machinery Corp.
Vic Cleaning Machine Co.

FILTERS, OIL

See: Oil Filters

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers opposite the inside back cover for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

FILTERS, OIL-REMOVING

American Water Softener Co.
Bowser, Inc.
Cochrane Corp.
Commercial Filters Corp.
Drico Industrial Corp.
Elgin-Refinite, Div. of Elgin Softener Corp.
Johnson Corp.
Graver Tank & Mfg. Co., Inc.
Johnson Corp.
Oshkosh Filter & Softener Co.
Permutit Co.
U. S. Hoffman Machinery Corp.

FILTERS, PRESSURE

American Cleaners Equipment Co., Div. American Laundry Machinery Co.
Bowser, Inc.
Butler Mfg. Co.
Commercial Filters Corp.
Elgin-Refinite, Div. of Elgin Softener Corp.
Gross Machinery Co., Inc.
Hammond Laundry-Cleaning Machinery Co.
Hopkins Equipment Co.

Hopkins FILTERS
Patented horizontal bag type, requires only half area ordinarily used. Ideal with synthetic machines. Write for bulletin.
HOPKINS EQUIPMENT CO., HATFIELD, PA.

Huebsch Mfg. Co., Div. American Laundry Machinery Co.
Martin Equipment Co., Div. American Laundry Machinery Co.
Mercury Cleaning Systems, Inc.
Mitchell, J. B., Co.
Olson Filtration Engineers, Inc.
Pantex Mfg. Corp.
Standard Laundry & Cleaning Machinery Co.
U. S. Hoffman Machinery Corp.
Vic Cleaning Machine Co.
Western Laundry Machinery Co.
Zephyr Laundry Machinery Co.

FILTERS, SOLVENT

American Cleaners Equipment Co., Div. American Laundry Machinery Co.
Bowser, Inc.
Butler Mfg. Co.
Commercial Filters Corp.
Gross Machinery Co., Inc.
Hammond Laundry-Cleaning Machinery Co.
Hopkins Equipment Co.
Huebsch Mfg. Co., Div. American Laundry Machinery Co.
Industrial Mfg. Co.
Kelley Iron Works
Martin Equipment Co., Div. American Laundry Machinery Co.
Mitchell, J. B., Co.
National Machinery Corp.
Olson Filtration Engineers, Inc.
Pantex Mfg. Corp.
Sec-O-Matic Corp.
Standard Laundry & Cleaning Machinery Co.
U. S. Hoffman Machinery Corp.
Vic Cleaning Machine Co.
Washex Machinery Corp.

WASHEX
Tube Filters
12% more filter area in 30% less space
2,000 to 15,000 gph capacities
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Western Laundry Machinery Co.
Zephyr Laundry Machinery Co.

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Your best source of "how to do it" information if you are planning a new plant or remodeling an old one. 36 pages, IN COLOR, only $1.00.
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304 E. 45th St., New York 17, N. Y.

FILTERS, WATER

See: Water Filters

FILTER TRAP MAGNETS

Tec Specialties

FINISHERS, BLANKET

Aetna Felt Co., Inc.
American Laundry Machinery Co.
Draper-Ese Equipment Co.

FINISHERS, GARMENT

See: Presses, Steam-Air Finishers, Steam Boards (under specific headings)

FINISHERS, SHIRT

See: Presses, Steam-Air Finishers, Steam Boards (under specific headings)

FINISHERS, SLEEVE

See: Sleeve Finishers

FINISHING AGENTS, DRYCLEANING

Benda Products, Inc.
Cravenette Co., U. S. A.
Davies-Young Soap Co.
Eaton Chemical & Dyestuff Co.
Fabricare Chemical Corp.
Lincoln Research Co.
Sta-Nu Corp.
Stay-Fresh Corp.

FINISHING AGENTS, LAUNDRY

Adrian Research & Chemical Co., Inc.
Benda Products, Inc.
Davies-Young Soap Co.
Eaton Chemical & Dyestuff Co.
Franklin Research Co.
Huron Milling Co.
Hercules Powder Co.
Nameo Chemical Corp.
National Textile Chemical Co.
Pennsylvania Refining Co.
Procter & Gamble Distributing Co.
Sinco Co.

FINISHING AND FOLDING MACHINES, SHIRT

See: Shirt Finishing and Folding Machines

FINISHING COMPOUNDS

See: Sizings and Finishing Compounds

FIREBRICK

Green, A. P., Fire Brick Co.
Johns-Manville
Mexico Refractories Co.
Plibrico Co.
Quigley Co., Inc.
Ramtite Co., Div. S. Obermayer Co.

FIRE EXTINGUISHERS

See: Extinguishers, Fire

FIRST-AID EQUIPMENT AND SUPPLIES

Americaine, Inc.
Davis Emergency Equipment Co., Inc.
Industrial Products Co.
Mine Safety Appliances Co.

FITTINGS, ACID-RESISTING, HARD RUBBER

Raybestos-Manhattan, Inc.
U. S. Rubber Co.

FITTINGS, PIPE

Chase Brass & Copper Co.
Crane Co.
Dresser Mfg. Div., Dresser Industries, Inc.
Fairbanks Co.
Flow-Master Machine Corp.
Johns-Manville
Malleable Iron Fittings Co.
Time Savers, Inc.
Walworth Co.

FIXING AGENTS (DYES)

American Aniline Products, Inc.
Apex Chemical Co., Inc.

FLAGS, MARKING

Bonn, F. H., Co.
Carson Textile Co., Inc.
Commercial Tag Co.
Fleischer Mills, Inc.
Key-Tag Checking System Co.
Kohnstamm, H., & Co., Inc.
Larton Products Co., Inc.
Risdon Mfg. Co.
Tingue, Brown & Co.

FLAMEPROOFING AGENTS

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Benda Products, Inc.
Chek Products, Inc.
DuPont de Nemours, E. I., & Co., Inc.
Geigy Industrial Chemicals, Div. Geigy Chemical Corp.
General Dyestuff Corp.
Hercules Powder Co.
Huntington Laboratories, Inc.
Keystone Aniline & Chemical Co.
Lewis National Corp.
Merson Products Co.
Nameo Chemical Corp.
National Textile Conservation Co., Div. Research Laboratories
Patek & Co.
Per-Mo Products Co.
Signal Chemical Mfg. Co.
Stearns, George, Chemical & Mfg. Co.

FLAMEPROOFING AND MOTH-PROOFING AGENTS COMBINED

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Per-Mo Products Co.
U. S. Chemical Products Co.

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Benwall Mfg. Co., Inc.
Burcott Mills
Callaway Mills, Inc.
Carson Textile Co., Inc.
Egan Cotton Mills
Fleischer Mills, Inc.
Gold, Isidore
Hettrick Mfg. Co.
Nashua Textile Co., Inc.
Pittsburgh Waterproof Co.
Quality Products Co.
Rubin, E. L., Mfg. Co.
Southern Mills, Inc.
Stanley, John T., Co., Inc.
Tingue, Brown & Co.
West Side Corp.
Zuckerberg Co.

FLATWORK IRONER, BUNDLE-SEPARATING DEVICE

Bonn, F. H., Co.
Norman Control Co.
Rosenthal Mfg. Co.
Stadham Co., Inc.

FLATWORK IRONER CANOPIES

American Laundry Machinery Co.
Chicago Dryer Co.
Ellis Drier Co.
Rosenthal Mfg. Co.
Super Laundry Machinery Co., Div. St. Joe Machines, Inc.
Troy Laundry Machinery Div., American Machine & Metals, Inc.
U. S. Hoffman Machinery Corp.

FLATWORK IRONER FEEDER RACKS

Atlas Steel Products, Inc.
Norman Control Co.
Troy Laundry Machinery Div., American Machine & Metals, Inc.

FLATWORK IRONER FOLDERS

American Laundry Machinery Co.
Cummings-Landau Laundry Machinery Co., Inc.
Super Laundry Machinery Co., Div. St. Joe Machines, Inc.
Troy Laundry Machinery Div., American Machine & Metals, Inc.

FLATWORK IRONERS

See: Ironers, Flatwork

FLATWORK IRONER STACKERS

American Laundry Machinery Co.
Troy Laundry Machinery Div., American Machine & Metals, Inc.

FLATWORK IRONER STRINGS

American Associated Cos.
Benwall Mfg. Co., Inc.
Callaway Mills, Inc.
Pittsburgh Waterproof Co.
Smith, X. S., Inc.
Southern Mills, Inc.
Stadham Co., Inc.
Super Laundry Machinery Co., Div. St. Joe Machines, Inc.
Tingue, Brown & Co.
Whitehouse Nylon Products

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

FLATWORK IRONER STRIPPING DEVICE

American Associated Cos.
Cummings-Landau Laundry Machinery Co., Inc.
Zeidler Mfg. Co., Inc.

FLATWORK SHAKERS

American Laundry Machinery Co.
Cummings-Landau Laundry Machinery Co., Inc.
Purkett Mfg. Co.
Rosenthal Mfg. Co.

FLATWORK SPREADERS

American Laundry Machinery Co.
Pocock, M. A.
Prosperity Co., Inc.

FLEXIBLE CONNECTORS

See: Connectors, Flexible

FLEXIBLE COUPLINGS

See: Couplings, Flexible

FLEXIBLE METAL HOSE

See: Hose, Flexible Metal

FLEXIBLE STEAM JOINTS

See: Joints, Flexible Steam

FLOATS, STEAM TRAP (REPLACEMENT)

American District Steam Co., Inc.
Crane Co.
Keckley, O. C., Co.
Nicholson, W. H., & Co.
Sterling, Inc.
Sterling Engineering & Mfg. Corp. (Templeton Mfg. Co.)
Trane Co.
Webster, Warren, & Co.

FLOAT SWITCHES

See: Switches, Float-Operated

FLOAT TRAPS

See: Traps, Float

FLOAT VALVES

See: Valves, Float

FLOOR CLEANING, SCRUBBING AND POLISHING MACHINES

Advance Floor Machine Co.
Breuer Electric Mfg. Co.
Certified Chemical & Equipment Co.
Continental Car-Na-Var Corp.
Hild Floor Machine Co.
Holt Mfg. Co.
Huntington Laboratories, Inc.
Kent Co., Inc.
Multi-Clean Products, Inc.
United Vacuum Appliance Corp.

FLOOR COVERING

American Abrasive Metals Co.
Flintkote Co.
Fremont Rubber Co.
Johns-Manville
Monroe Co., Inc.
U. S. Steel Co.

FLOOR MATS

See: Mats, Floor

FLOOR RESURFACING MATERIALS

American Abrasive Metals Co.
Continental Car-Na-Var Corp.
Flintkote Co.
Horn, A. C., Inc.
Huntington Laboratories, Inc.
Johns-Manville
Keystone Chemical Co.
Master Builders Co.
Midland Paint & Varnish Co.
Steelcote Mfg. Co.
United Laboratories, Inc.
Virginia Greenstone Co., Inc.

FLOOR SCALES

See: Scales

FLOOR SEALING AND REPAIR MATERIAL

Continental Car-Na-Var Corp.
Flintkote Co.
General Chemical Div., Allied Chemical & Dye Corp.
Hild Floor Machine Co.
Horn, A. C., Co., Inc.
Huntington Laboratories, Inc.
Keystone Chemical Co.
Master Builders Co.
Multi-Clean Products, Inc.
Stearns, George, Chemical & Mfg. Co.
Steelcote Mfg. Co.

FLOOR WAX

See: Wax, Floor

FLOW CONTROLS

See: Controls and Regulators (under specific headings)

FLOW METERS

See: Meters, Flow

FLOW-RATE INDICATORS

See: Indicators, Flow-Rate

FLOW RECORDERS

See: Recorders, Flow

FLOW REGULATORS

See: Controls and Regulators (under specific headings)

FLUES, STEEL SMOKE

Graver Tank & Mfg. Co., Inc.

FLUFFERS, HANDKERCHIEF

American Laundry Machinery Co.
Huebsch Mfg. Co., Div. American Laundry Machinery Co.
Troy Laundry Machinery Div., American Machine & Metals, Inc.

FLUID METERS

See: Meters, Fluid

FLUORESCENT LAMPS

See: Lamps, Fluorescent

FLUORIDE, AMMONIUM ACID

See: Sours

FLUORIDE, SODIUM ACID

See: Sours

FLUORIDE, SODIUM SILICO

See: Sours

FLUTING MACHINES

Maxant Button & Supply Co.

FOG FIRE-FIGHTING UNITS

See: Extinguishers, Fire

FOG GENERATORS

See: Insecticide Spray Equipment

FOLDERS, FLATWORK IRONER

See: Flatwork Ironer Folders

FOLDING MACHINES

American Laundry Machinery Co.
Forse Equipment Corp.
Prosperity Co., Inc.
Super Laundry Machinery Co., Div. St. Joe Machines, Inc.
Time Savers, Inc.
Troy Laundry Machinery Div., American Machine & Metals, Inc.

FOLDING TABLES

American Laundry Machinery Co.
Bernard Franklin Co., Inc.
Bishop, G. H., Co.
Forse Equipment Corp.
New York Pressing Machinery Corp.
Prosperity Co., Inc.
U. S. Hoffman Machinery Corp.

FOLDING TRUCKS, CANVAS

See: Trucks, Industrial

FORMS, COLLAR

See: Collar Forms

FORMS, GLOVE

See: Glove Forms

FORMS, HOSIERY

See: Hosiery and Sock Forms

FORMS, NECKWEAR

Great Eastern Paper Converters, Inc.
Henrici Laundry Machinery Co.
Winner, Joe L.

FORMS, OVERALL

See: Overall Forms

FORMS, POCKET

See: Pocket Forms

FORMS, SLEEVE

See: Sleeve Forms

FORMS, TROUSER

See: Trouser Forms

FORMULA CONTROLS

See: Washer Timers and Controls

FOUNTAIN PENS, MARKING

Mark-O Corp.
Newhouse Co.
Stafford Mfg. Co., Inc.

FOUNTAINS, DRINKING

See: Drinking Fountains

FREQUENCY CHANGERS

General Electric Co.
Kato Engineering Co.

FRICTION MATERIAL, BRAKES, CLUTCHES, ETC.

Raybestos-Manhattan, Inc.

FUEL ECONOMIZERS

See: Economizers, Fuel

FUEL-OIL HEATERS

See: Heaters, Fuel-Oil

FUME-RESISTING PAINT

See: Paint

FUMIGANTS

Adco, Inc.
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
Dow Chemical Co.
DuPont de Nemours, E. I., & Co., Inc.
Haertel, Walter, Co.
Huntington Laboratories, Inc.
Keystone Chemical Co.
Nyeco Products Co.
Reliable Machine Works, Inc.
Sirotta, Bernard, Co.
Stauffer Chemical Co.
Westvaco Chemical Div., Food Machinery & Chemical Corp.

FUMIGATING VAULTS

See: Vaults, Fumigating

FUNNELS

General Scientific Equipment Co.
Goodrich, B. F., Co.
Lunkenheimer Co.

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers opposite the inside back cover for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

FUR CLEANING DRUMS

See: Fur Cleaning Equipment

FUR CLEANING EQUIPMENT

American Pressboard Co.
Bonis Bros. Fur Machinery Corp.
Cissell, W. M., Mfg. Co., Inc.
Haertel, Walter, Co.

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RELIABLE
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Root & Co.
Sirotta, Bernard Co.
Western Laundry Machinery Co.

FUR CLEANING SOLVENT

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Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
Davis-Weil Mfg. Co.
Drew, E. F. & Co., Inc.
Haertel, Walter, Co.
Huntington Laboratories, Inc.
Merson Products Co.
Nycco Products Co.
Package Chemical Co., Inc.
Reliable Machine Works, Inc.
Riverside Chemical Co., Inc.
Root & Co.
Sirotta, Bernard Co.
Stauffer Chemical Co.
Swift & Co.
Thoro Products Co.

FUR CLEANING SUPPLIES

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Geigy Industrial Chemicals, Div. Geigy Chemical Corp.
Haertel, Walter, Co.
Keystone Chemical Co.
Mortemoth Chemical Laboratories
Nycco Products Co.
Reliable Machine Works, Inc.
Sirotta, Bernard Co.



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Reliable Machine Works, Inc.
Sirotta, Bernard, Co.

FUR CLEANING TUMBLERS

Haertel, Walter, Co.
Reliable Machine Works, Inc.
Sirotta, Bernard, Co.
Western Laundry Machinery Co.

FUR FINISHING EQUIPMENT

Cissell, W. M., Mfg. Co.
Haertel, Walter, Co.
Nycco Products Co.
Reliable Machine Works, Inc.
Root & Co.
Sirotta, Bernard, Co.

FUR GARMENT BAGGERS

See: Baggers, Garment

FUR GLAZERS

American Pressboard Co.
Haertel, Walter, Co.
Reliable Machine Works, Inc.
Root & Co.
Sirotta, Bernard, Co.

FUR GLAZING FLUID

Apex Chemical Co., Inc.
Haertel, Walter, Co.
Nycco Products Co.
Package Chemical Co., Inc.
Reliable Machine Works, Inc.
Security Fur Seal Co., Inc.
Sirotta, Bernard, Co.

FUR IDENTIFICATION SYSTEMS

See: Identification Systems, Fur

FURNACE ARCHES

See: Arches, Furnace, Flat Suspended

FURNACE CEMENT

See: Cement, Furnace, Asbestos

FURNACE INSPECTION DOORS

See: Doors, Furnace Inspection

FURNACE WALLS

Green, A. P., Fire Brick Co.
Johns-Manville
Ramtite Co., Div. E. Obermayer Co.

FURS AND FURRIERS' SUPPLIES

Alfreda Furs
Asselin, Victor, Inc.
Bauer, Samuel, & Sons, Inc.
Haertel, Walter, Co.
Reliable Machine Works, Inc.
Sirotta, Bernard, Co.

FUR SKIN SOFTENERS

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Nycco Products Co.
Reliable Machine Works, Inc.
Riverside Mfg. Co.
Sirotta, Bernard, Co.

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Asselin, Victor, Fur Co.
Bauer, Samuel, & Sons, Inc.
Custom Fur Service, Inc.
Haertel, Walter, Co.
Le Ann Furs, Inc.
Reliable Machine Works, Inc.

FUR STORAGE EQUIPMENT AND SUPPLIES

See: Storage Vault Equipment or Storage Supplies

FUR VAULT COOLING UNITS

See: Refrigeration, Mechanical

FUSE CLAMPS

See: Clamps, Fuse

FUSE PULLERS

Ideal Industries, Inc.
Industrial Products Co.
Trico Fuse Mfg. Co.

FUSES, ELECTRIC

Trico Fuse Mfg. Co.

GARMENT BAGGERS

See: Baggers, Garment

GARMENT BAGS

See: Bags, Drycleaners'

GARMENT CARRIERS

See: Carts, Garment

GARMENT DRIERS

See: Driers, Garment, Hot-Air

GARMENT DYEING

See: Dyeing, Garment

GARMENT DYES

See: Dyes

GARMENT FINISHERS, STEAM-AIR

See: Steam-Air Finishers, Garment

GARMENT HANGERS

See: Hangers, Garment

GARMENT PRESSES

See: Presses (under specific headings)

GARMENT RACKS

See: Racks, Garment

GARMENT SHAPER-DRIER

See: Shaper-Drier, Garment

GARMENT STEAMERS

See: Steam-Air Finishers, Garment

GAS BURNERS

See: Burners, Gas

GAS-ELECTRIC TRUCKS

See: Trucks, Industrial

GAS ENGINES

See: Engines, Gas

GASKET CEMENT

See: Cement, Gasket

GASKET COMPOUND

Armite Laboratories
Goodrich, B. F., Co.
Johns-Manville
National Chemical Sales Co., Laborntory, Inc.
Steelcote Mfg. Co.

GASKETS

Aetna Fait Co., Inc.
Carey, Philip, Mfg. Co.
Chase Brass & Copper Co.
Goodrich, B. F., Co.
Hapman-Dutton Co., Dutton Boiler Div.
Johns-Manville
Raybestos-Manhattan, Inc.
Thoro Products Co.
U. S. Rubber Co.

GAS METERS

See: Meters, Gas

GAS-OIL BURNERS

See: Burners, Gas-Oil

GASOLINE MOTOR TRUCKS

See: Trucks, Motor

GATE VALVES

See: Valves, Gate

GAUGE GLASSES

Bowser, Inc.
Electric Auto-Lite Co., Instrument & Gauge Div.
Marsh, Jas. P., Corp.
Sterling, Inc.
Superior Controls Co., Inc.

GAUGE-GLASS PROTECTORS

Defender Instrument & Regulator Co.
Wright-Austin Co.

GAUGE LIGHTS

Wright-Austin Co.

GAUGES, AIR

Bailey Meter Co.
Crosby Steam Gage & Valve Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

Dwyer, F. W., Mfg. Co.
Minneapolis-Honeywell Regulator Co., Industrial Div.
Perfex Corp.
U. S. Gauge Div., American Machines & Metals, Inc.

GAUGES, DRAFT

See: Draft Gauges

GAUGES, HUMIDITY, SOLVENT

See: Solvent Humidity Control Units

GAUGES, LIQUID LEVEL

Bailey Meter Co.
Bristol Co.
Crane Co.
Defender Instrument & Regulator Co.
Dwyer, F. W., Mfg. Co.
Fielden Instrument Corp.
Foxboro Co.
Haya Corp.
Lunkenheimer Co.
Minneapolis-Honeywell Regulator Co., Industrial Div.
Oil-Rite Corp.
Stewart-Warner Corp., Alemite Corp.
U. S. Gauge Div., American Machine & Metals, Inc.
Yarnall-Waring Co.

GAUGES, PRESSURE

Bailey Meter Co.
Bristol Co.
Crosby Steam Gage & Valve Co.
Defender Instrument & Regulator Co.
Dwyer, F. W., Mfg. Co.
Foxboro Co.
Haya Corp.
Marsh, Jas. P., Corp.
Minneapolis-Honeywell Regulator Co., Industrial Div.
Sterling, Inc.
Stewart-Warner Corp., Alemite Corp.
U. S. Gauge Div., American Machine & Metals, Inc.

GAUGES, RECORDING

Bailey Meter Co.
Bristol Co.
Defender Instrument & Regulator Co.
Foxboro Co.
Electric Auto-Lite Co., Instrument & Gauge Div.
Haya Corp.
Mason-Neilan Regulator Co.
Minneapolis-Honeywell Regulator Co., Industrial Div.
U. S. Gauge Div., American Machine & Metals, Inc.
Weston Electrical Instrument Corp.

GAUGES, STEAM

Bailey Meter Co.
Crosby Steam Gage & Valve Co.
Electric Auto-Lite Co., Instrument & Gauge Div.
Foxboro Co.
Marsh, Jas. P., Corp.
Minneapolis-Honeywell Regulator Co., Industrial Div.
Sterling, Inc.
U. S. Gauge Div., American Machine & Metals, Inc.
Webster, Warren, & Co.

GAUGES, TEMPERATURE

Bailey Meter Co.
Bristol Co.
Defender Instrument & Regulator Co.
Electric Auto-Lite Co., Instrument & Gauge Div.
Foxboro Co.
Marsh, Jas. P., Corp.
Minneapolis-Honeywell Regulator Co., Industrial Div.
Powers Regulator Co.
Pyrometer Instrument Co., Inc.
Sarco Co., Inc.
Sterling, Inc.
Stewart-Warner Corp., Alemite Corp.
U. S. Gauge Div., American Machine & Metals, Inc.
Weston Electrical Instrument Corp.

GAUGES, WATER

Bailey Meter Co.
Crosby Steam Gage & Valve Co.
Foxboro Co.
Lunkenheimer Co.
Minneapolis-Honeywell Regulator Co., Industrial Div.
Stewart-Warner Corp., Alemite Corp.
Wright-Austin Co.
Yarnall-Waring Co.

GAUGE TESTERS

See: Testers, Gauge

GEARS, STOCK

Boston Gear Works, Inc.
Greaves Machine Tool Co.
Link-Belt Co.
Ramsey Chain Co., Inc.

GENERAL FORMULA

See: Spot Removers

GENERATORS, BLEACH

See: Bleach-Making Machines

GENERATORS, ELECTRIC

Allis, Louis Co.
Caterpillar Tractor Co.
Century Electric Co.
Crocker-Wheeler Electric Mfg. Co., Div. Joshua Hendy Iron Works
Electric Steam Boiler Sales, Div. Wolf Co.
Elliott Co.
General Electric Co.
Kato Engineering Co.
Reliance Electric & Engineering Co.
Worthington Pump & Machinery Corp.

GENERATORS, FOG

See: Insecticide Spray Equipment

GENERATORS, STEAM

See: Boilers and Steam Generators

GERMICIDES

See: Antiseptics, Bleaches, Sours

GLASS CLOTH, WOVEN

See: Cloth, Glass, Woven

GLASSINE SHIRT ENVELOPES

See: Envelopes, Shirt

GLAZERS, FUR

See: Fur Glazers

GLAZING FLUID, FUR

See: Fur Glazing Fluid

GLOBE VALVES

See: Valves, Globe

GLOVE CASES

See: Cases, Glove

GLOVE CLEANING MACHINES

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GLOVE SOAPS

See: Soaps, Glove

GLUES AND GUMS

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Mutual Paper Box Co., Inc.
National Starch Products, Inc.
Paisley Products, Inc.

GO-BACK CONVEYORS

See: Conveyors, Go-Back

GOVERNORS, AUTOMOBILE

Hoof Products Co.

GOVERNORS, ENGINE

Hoof Products Co.

GOVERNORS, POWER PRESSING MACHINES

Pantex Mfg. Corp.

GOVERNORS, PUMP

David Regulator Co.
Defender Instrument & Regulator Co.
D'Este Div., Kaye & MacDonald, Inc.
Keckley, O. C., Co.
Leslie Co.
Mason-Neilan Regulator Co.
Squires, C. E., Co.
Wright-Austin Co.

GOVERNORS, TURBINE

Leslie Co.

GRATES, SHAKING AND STATIONARY

Brownell Co.
Canton Stoker Corp.
Keeler, E., Co.
Laclede Stoker Co.

GRAVITY ROLLER CONVEYORS

See: Conveyors (under specific headings)

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Cook's, Adam, Sons, Inc.
Grauer Research & Mfg. Co.
Gulf Oil Corp., Gulf Refining Co.
Keystone Lubricating Co.
Lubriplate Div., Fiske Bros. Refining Co.
Pure Oil Co.
Stewart-Warner Corp., Alemite Corp.
Texas Co.
Union Oil Co. of California

GUARDS, HAT

See: Hat Guards

GUARDS, LAMP

Industrial Products Co.

GUARDS, MACHINE (BELT, FLYWHEEL, GEAR, ETC.)

Kirk & Blum Mfg. Co.
Wright-Austin Co.

GUARDS, SAFETY

See: Safety Guards

GUARDS, TROUSER

See: Trouser Guards

GUIDE RACKS

Bernard Franklin Co., Inc.
Para-Lux Products Co.

GUMMED TAPE

See: Tape, Gummed

GUMS

See: Glues and Gums

GUNS, SPRAY

See: Spray Guns

HAMPERS

See: Baskets, Canvas, and Hampers, Shipping

HAMPERS, SHIPPING

Bonn, F. H., Co.
Daniels, C. R., Inc.
Lane, W. T., & Bros., Inc.
McElmoyl, W. J., Co.
Meese, Inc.
Steele Canvas Basket Co.

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers opposite the inside back cover for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

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Ayerst, McKenna & Harrison
Caled Products Co., Inc.
Davis Emergency Equipment Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
Huntington Laboratories, Inc.
Industrial Products Co.
Mine Safety Appliance Co.
National Cleaners Chemical Mfg. Co.
Riverside Chemical Co., Inc.
Stearns, George, Chemical & Mfg. Co.
Street, E. E., & Co., Inc.
Tarbonis Co.

HAND CREAM, THERAPEUTIC

Ayerst, McKenna & Harrison
Keystone Aniline & Chemical Co.
Tarbonis Co.

HAND HOISTS

See: Hoists

HANDKERCHIEF CONVEYORS

See: Conveyors, Handkerchief

HANDKERCHIEF FLUFFERS

See: Fluffers, Handkerchief

HANDKERCHIEF IRONERS

See: Ironers, Handkerchief

HANDKERCHIEF REPLACEMENTS

See: Replacements, Sheets, Pillowcases, etc.

HAND TRUCKS

See: Trucks, Industrial

HANGER BLOCKS

See: Blocks, Hanger and Pillow

HANGER CAPES

See: Capes, Wire-Hanger

HANGER CLIPS

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Commercial Tag Co.

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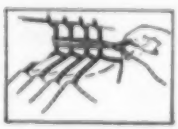


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Germain's Inc., Twist-Ems Div.
Hanscom, H. F., & Co.
Larton Products Co., Inc.

HANGER RACKS

See: Racks, Hanger

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Cade Paper & Bag Corp.
Cleaners Hanger Co.
Clopay Corp.
Fastik Co.
Fleischer Mills, Inc.
Goldman Mfg. Co.
Great Eastern Paper Converters, Inc.
Greif Bros. Cooperage Corp., Wire Garment Hanger Div.
Hodge, Farwell & Co.
Kwik-Kover Sales Co.

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Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
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Mutual Paper Box Co., Inc.
Nagel Coat Hanger Co.
Nashua Corp., Sure-Hold Div.
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Patek & Co.
Phoenix Products Co.
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Phoenix Products Co.
Pittsburgh Hanger Co.
Star Service Hanger Div., L. A. Young Spring & Wire Corp.

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Dixie Hanger Co.
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Garment Hanger Co.
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Gronauer, M. H., Co.
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Midwest Hanger Co.
Nagel Coat Hanger Co.
Pacific Coat Hanger Mfg. Co.
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Para-Lux Products Co.
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Phoenix Products Co.
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Wire Specialties & Mfg. Co.

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Pacific Coat Hanger Mfg. Co.
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Phoenix Products Co.
Pittsburgh Hanger Co.
Time Savers, Inc.

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Wood's, T. B., Sons Co.

HANGERS, REVOLVING SHIRT

American Laundry Machinery Co.
Bishop, G. H., Co.

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See: Rug and Carpet Cleaning Equipment

HANGING SCALES

See: Scales

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Horn, A. C., Co., Inc.
Huntington Laboratories, Inc.
Multi-Clean Products, Inc.
Philadelphia Quartz Co.

HAT-BLOCKING MACHINES

See: Blocking Machines, Hat

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

HAT GUARDS

American Hatters Supplies, Inc.
Automatic Paper Box Corp.
Brooks, Alfred J.
Hatters Supply House, Inc.
National Hatters Supply Co.
Phoenix Products Co.
Rosenthal Paper Co.
Spear Box Co., Inc.
West Side Corp.

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Chicago 5, Ill.

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Greenville Chemical Co.
Hatters Supply House, Inc.
Keystone Aniline & Chemical Co.
National Hatters Supply Co.
Pantex Mfg. Corp.

HEAD PLATES (PRESSING MACHINES)

See: Press Plates

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Bros, Wm., Boiler & Mfg. Co.
Bryant Heater Div., Affiliated Gas Equipment, Inc.
Clarage Fan Co.
Cutler-Hammer, Inc.
Davis Engineering Corp.
Dravo Corp.
Iron Fireman Mfg. Co.
Martin Fan & Blower Co.
Norman Control Co.
Peabody Engineering Corp.
Rockwell, W. S., Co.
Sellers Engineering Co.
Trane Co.
Whitlock Mfg. Co.
Wiegand, Edwin L., Co.

HEATERS, BLAST

Carrier Corp.
Clarage Fan Co.
Murray, D. J., Mfg. Co.
Peabody Engineering Corp.
Sellers Engineering Co.
Trane Co.
Wiegand, Edwin L., Co.

HEATERS, FEED-WATER

American District Steam Co., Inc.
American Water Softener Co.
Brownell Co.
Cochrane Corp.
Davis Engineering Corp.
Graver Tank & Mfg. Co.
Hapman-Dutton Co., Dutton Boiler Div.
Kewanee-Ross Corp.
Marshall Heater Co.
Patterson-Kelley Co., Inc.
Peabody Engineering Corp.
Schaub, Fred H., Engineering Co., Inc.
Stout, David, & Sons
Taco Heaters, Inc.
West Texas Marine Boiler Works, Inc.
Whitlock Mfg. Co.
Wiegand, Edwin L., Co.
Worthington Pump & Machinery Corp.

HEATERS, FUEL-OIL

American District Steam Co., Inc.
Anthony Co.
Bryant Heater Div., Affiliated Gas Equipment, Inc.
Davis Engineering Corp.
General Electric Co., Air Conditioning Dept.
Hapman-Dutton Co., Dutton Boiler Div.
Kewanee-Ross Corp.
National Airoil Burner Co., Inc.
Patterson-Kelley Co., Inc.
Peabody Engineering Corp.
Petroleum Heat & Power Co.
Ray Oil Burner Co.
Taco Heaters, Inc.
West Texas Marine Boiler Works, Inc.
Whitlock Mfg. Co.
Wiegand, Edwin L., Co.

HEATERS, INSTANTANEOUS

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Davis Engineering Corp.
Johnson Corp.
Kewanee-Ross Corp.
Marshall Heater Co.
National Combustion Co.
Patterson-Kelley Co., Inc.
Pick Mfg. Co.
Taco Heaters, Inc.
Stout, David, & Sons
Whitlock Mfg. Co.

HEATERS, SOLVENT

See: Solvent Heaters

HEATERS, UNIT

American Laundry Machinery Co.
Bryant Heater Div., Affiliated Gas Equipment, Inc.
Carrier Corp.
Clarage Fan Co.
Crane Co.
Davis Engineering Corp.
Dravo Corp.
Ilg Electric Ventilating Co.
Kisco Boiler & Engineering Co.
Modine Mfg. Co.
Murray, D. J., Mfg. Co.
Trane Co.
Webster, Warren, & Co.
Wiegand, Edwin L., Co.
Young Radiator Co.

HEATERS, WATER

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American District Steam Co., Inc.
American Water Softener Co.
Bready Engineering Corp.
Brownell Co.
Bryant Heater Div., Affiliated Gas Equipment, Inc.
Clayton Mfg. Co.
Crane Co.
Cutler-Hammer, Inc.
Cyclotherm Div., U. S. Radiator Corp.
Davis Engineering Corp.
Dewey Shepard Boiler Co.
Graver Tank & Mfg. Co.
Graves & Marshall Co.
Hammel-Dahl Co.
Hapman-Dutton Co., Dutton Boiler Div.
Johnson Corp.
Kelvinator Div., Nash-Kelvinator Corp.
Kewanee Boiler Corp.
Kewanee-Ross Corp.
Marshall Heater Co.
National Combustion Co.
Patterson-Kelley Co., Inc.
Peabody Engineering Corp.
Petroleum Heat & Power Co.
Pick Mfg. Co.
Ray Oil Burner Co.
Schaub, Fred H., Engineering Co., Inc.
Sellers Engineering Co.
Smith, A. O., Corp., Burkay Heater Div.
Sterling, Inc.
Stout, David, & Sons
Taco Heaters, Inc.
Trane Co.
Vapor Heating Corp.
West Texas Marine Boiler Works, Inc.
Whitlock Mfg. Co.
Wiegand, Edwin L., Co.

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Bready Engineering Corp.
Brownell Co.
Bryant Heater Div., Affiliated Gas Equipment, Inc.
Cleveland Heater Co.
Crane Co.
Davis Engineering Corp.
Graves & Marshall Co.
Hapman-Dutton Co., Dutton Boiler Div.
Kewanee Boiler Corp.
Marshall Heater Co.
Patterson-Kelley Co., Inc.
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West Texas Marine Boiler Works, Inc.
Whitlock Mfg. Co.
Wiegand, Edwin L., Co.

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Alert Boiler & Mfg. Co.
American District Steam Co., Inc.
Bready Engineering Corp.
Brownell Co.
Davis Engineering Corp.
Gabriel Boiler & Fabrication Co.
Graver Tank & Mfg. Co.
Graves & Marshall Co.
Johnston Bros., Inc.
Kewanee-Ross Corp.
Patterson-Kelley Co., Inc.
Schaub, Fred H., Engineering Co., Inc.
Stout, David, & Sons
Taco Heaters, Inc.
Trane Co.
West Texas Marine Boiler Works, Inc.
Whitlock Mfg. Co.
Wiegand, Edwin L., Co.
Worthington Pump & Machinery Corp.
Young Radiator Co.

HEATING AND COOLING COILS

See: Coils, Heating and Cooling

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American District Steam Co., Inc.
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Davis Engineering Corp.
National Combustion Co.
Patterson-Kelley Co., Inc.
Stout, David, & Sons
Taco Heaters, Inc.
Whitlock Mfg. Co.

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See: Alarms, High- and Low-Water

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American Engineering Co.
American Monorail Co.
Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
Conco Engineering Works, Div. H. D. Conkey & Co.
Curtis Mfg. Co.

(Continued on next page)

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers opposite the inside back cover for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

CLASSIFIED DIRECTORY

Hoists (*Continued*)
Electro Lift, Inc.
Ingersoll-Rand Co.
Lewis-Shepard Products, Inc.
Louden Machinery Co.
Wayne Pump Co.

HOLDERS, BAG AND NET
Sak-Rak Co.
Time Savers, Inc.

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HOOKS, MULTIPLE
Engineering and Production Specialties

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Davis Specialties, Inc.
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New York Pressing Machinery Corp.
Newhouse Co.
Packless Metal Hose, Inc.

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Behrstock, L., Co.
Carlyle Rubber Co., Inc.
DeVilbiss Co.
Dryco Div., G. H. Bishop Co.
Gates Rubber Co.
Goodrich, B. F., Co.
Johnson Metal Hose, Inc.
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U. S. Rubber Co.
United Vacuum Appliance Corp.

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Cissell, W. M. Mfg. Co., Inc.
Huebsch Mfg. Co., Div. American Laundry Machinery Co.

HOSIERY DRIERS
See: Driers, Hosiery and Sock

HOSIERY IRONERS
See: Ironers, Hosiery

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Bryant Heater Div., Affiliated Gas Equipment, Inc.
Crane Co.
Davis Engineering Corp.
Hapman-Dutton Co., Dutton Boiler Div.
Huebsch Mfg. Co., Div. American Laundry Machinery Co.
National Combustion Co.
Patterson-Kelley Co., Inc.
Schaub, Fred H., Engineering Co., Inc.
Sterling, Inc.
Stout, David, & Sons
Taco Heaters, Inc.
West Texas Marine Boiler Works, Inc.

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Emery Industries, Inc., Sanitone Div.
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Nu-Pro Mfg. Co.
Reliable Machine Works, Inc.
Spray Engineering Co.
Steel Products Engineering Co.
Trane Co.

HUMIDITY CONTROL UNITS, SOLVENT
See: Solvent Humidity Control Units

HYDRAULIC HOISTS
See: Hoists

HYDROGEN PEROXIDE
See: Bleach

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Culligan Zeolite Co.
Infilco, Inc.
Olin Mathieson Chemical Corp.
Pennsylvania Salt Mfg. Co.

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INDICATING THERMOMETERS
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Defender Instrument & Regulator Co.
Dwyer, F. W., Mfg. Co.
Hays Corp.
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Dwyer, F. W., Mfg. Co.
Hagan Corp.
Hays Corp.
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Diamond Alkali Co.
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Minneapolis-Honeywell Regulator Co., Industrial Div.
Norman Control Co.
Rosenthal Mfg. Co.
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Tejax Engineering Corp.

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Ink-O Products Co.
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Mark-O Corp.
National Cleaners Chemical Mfg. Co.
National Marking Machine Co.
Nu-Pro Mfg. Co.
Riverside Mfg. Co.
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Mar-Tex Corp.
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Nicholson, Wm. J., Laboratories
Nissen, John P., Jr., Co.
Olsen Mark Corp.
Pittsburgh Tag Co.
Steigler, George, Co.
Taubman, Samuel, & Co.

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Gulf Oil Corp., Gulf Refining Co.
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Hercules Powder Co.
Huntington Laboratories, Inc.
Innis, Speiden & Co.
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Mallinckrodt Chemical Works
Nyvco Products Co.
Pennsylvania Salt Mfg. Co.
Riverside Chemical Co., Inc.
Signal Chemical Mfg. Co., Inc.
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Stearns, George, Chemical & Mfg. Co.
Thompson-Hayward Chemical Co.
Trico Chemical Works, Inc.
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Fumol Corp.
Gulf Oil Corp., Gulf Refining Co.
Maertel, Walter, Co.
Keystone Chemical Co.
Nyvco Products Co.
Reliable Machine Works, Inc.

INSPECTION DOORS, FURNACE

See: Doors, Furnace Inspection

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See: Heaters, Instantaneous

INSULATED WIRE AND CABLE

See: Wire and Cable, Insulated

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See: Identification Systems

INVISIBLE MARKING INK

See: Ink, Invisible Marking

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Rosenthal Mfg. Co.
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IRONER CLOTH

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Lewis National Corp.
Lynch, John P., Inc.
Stadham Co., Inc.
Thompson-Hayward Chemical Co.
Tingue, Brown & Co.

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IRONER PROTECTORS

See: Protectors, Ironer

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IRONERS, HAT

See: Hatters' Equipment

BOLD TYPE LISTINGS

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For manufacturers' addresses see MANUFACTURERS' list beginning page 296

CLASSIFIED DIRECTORY

IRONERS, HOSIERY

Huebsch Mfg. Co., Div. American Laundry Machinery Co.

IRONERS, RUFFLE

Maxant Button & Supply Co.

IRONERS, SLEEVE

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Huebsch Mfg. Co., Div. American Laundry Machinery Co.
Newhouse Co.
New York Pressing Machinery Corp.
Prosperity Co., Inc.
Troy Laundry Machinery Div., American Machine & Metals, Inc.
Western Laundry Press Co.

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See: Tape, Ironer

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Cissell, W. M., Mfg. Co., Inc.
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IRONING BOARDS, SLEEVE

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See: Expanding Ironing Forms

IRONING-ROOM CONVEYORS

See: Conveyors, Ironing-Room

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U. S. Hoffman Machinery Corp.

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General Electric Co.
Newhouse Co.
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Amber Mfg. Co.
Cissell, W. M., Mfg. Co., Inc.
Dryco Div., G. H. Bishop Co.
New York Pressing Machinery Corp.

JAPAN WAX

See: Wax, Japan

JARS

Knight, Maurice A.

JOINTS, EXPANSION

See: Expansion Joints

JOINTS, FLEXIBLE STEAM

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Barco Mfg. Co.
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Diamond Metal Products Co.
Flexonics Corp.
Lakewood Manufacturing Co.
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Diamond Metal Products Co.
Johnson Corp.
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See: Bearings, Journal Roller

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See: Dye Kettles

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See: Moisteners, Label

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Sylvania Electric Products, Inc.
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LAMPS, MERCURY-VAPOR

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LAPEL PROTECTORS

See: Protectors, Lapel

LAUNDRY BAGS, PAPER

See: Bags, Laundry, Paper

LAUNDRY CARTS

See: Carts, Garments and Laundry

LAUNDRY DYES

See: Dyes

LAUNDRY EXTRACTORS

See: Extractors, Laundry

LAUNDRY PACKAGING

See: Packaging, Laundry

LAUNDRY PRESSES

See: Presses, Laundry, Manually Operated, or Presses, Laundry, Power Operated

LAUNDRY SOAPS

See: Soaps, Laundry

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See: Tints and Dyes, Laundry

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See: Tumblers, Clothes, Laundry

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See: Dyeing, Leather

LEATHER SOFTENERS

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Benda Products, Inc.
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Dyo Chemical Co.
Keystone Aniline & Chemical Co.
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Nyco Products Co.
Package Chemical Co., Inc.
Riverside Mfg. Co.
Signal Chemical Mfg. Co., Inc.
Sirotta, Bernard, Co.
Spix Products Co.

LEVEL RECORDERS, BOILER

See: Recorders, Boiler Level

LIFT TRUCKS

See: Trucks, Industrial

LIGHTING FIXTURES

Donnell Co.
General Luminescent Corp.
Guth, Edwin F., Co.
Revere Electric Mfg. Co.

LIME SOAP SOLVENT

See: Solvent, Lime Soap

LINEN MARKERS

See: Markers, Linen

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Bostwick-Batterson Co.
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Reed-Stabin, Inc.
Standard Garment Co.

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LIQUID LEVEL RECORDERS

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LIQUID LEVEL REGULATORS

See: Controls and Regulators, Liquid Level

LIQUID STARCH

See: Starch, Liquid

LISTING MACHINES

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LISTS, PRICE

See: Price Lists

LOCKERS, METAL

Berger Mfg. Div., Republic Steel Corp.

LOW WATER ALARMS

See: Alarms, High and Low Water

LOW WATER FUEL CUTOFFS

See: Boiler Fuel Cutoffs, Low Water

LUBRICANT STARCH

See: Starch, Lubricant

LUBRICATING BEARINGS

See: Bearings, Lubricating

LUBRICATING GREASES

See: Greases, Lubricating

LUBRICATING OILS

See: Oils, Lubricating

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Stewart-Warner Corp., Alemite Corp.
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Troy Laundry Machinery Div., American Machine & Metals, Inc.

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See: Identification Systems

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Prosperity Co., Inc.
Reliable Machine Works, Inc.
Sec-O-Matic Corp.
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See: Engineers, Management

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MARKING FLAGS

See: Flags, Marking

MARKING FOUNTAIN PENS

See: Fountain Pens, Marking

MARKING INK

See: Ink, Indelible Marking, or Ink, Invisible Marking

MARKING INK, INVISIBLE

See: Ink, Invisible Marking

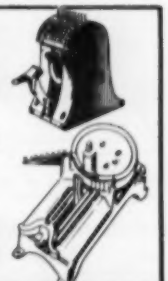
MARKING LABELS, WOVEN

See: Labels, Woven, Marking

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National Marking Machine Co.
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Perfection Products Corp.
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(Continued on next page)

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For manufacturers' addresses see MANUFACTURERS' list beginning page 296

CLASSIFIED DIRECTORY

Marking Machines (*Continued*)
Roberts Numbering Machine Co.
Stafford Mfg. Co., Inc.
Steigler, George, Co.
Textile Marking Machine Co., Inc.

MARKING PENS
See: Pens, Marking, and Fountain Pens, Marking

MARKING PINS
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Key-Tag Checking System Co.
Newhouse Co.
Risdon Mfg. Co.
Stafford Mfg. Co., Inc.

MARKING ROOMS
American Laundry Machinery Co.
National Marking Machine Co.

MARKING SETS
Ink-O Products Co.
Stafford Mfg. Co., Inc.

MARKING SYSTEMS
See: Identification Systems

MARKING TABLES
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Colson Corp.
National Marking Machine Co.
Perfection Products Co.

MARKING TAGS
See: Tags, Marking

MARKING-TAG SEWING MACHINES
See: Sewing Machines, Marking-Tag

MARKING TAPE
See: Tape, Marking

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Newhouse Co.
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Chandler Machine Co.
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Hughes Co.
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Mendex Corp.
Newhouse Co.
Simmons Machine Co.
Standard Garment Co.
Thermopatch Corp.
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U. S. Marking Tag Co.

MENDING TAPE
See: Mending and Patching Material, Garment and Linen

MENDING TAPE, HEAT-SEALING
See: Mending and Patching Material, Garment and Linen

MERCURY-VAPOR LAMPS
See: Lamps, Mercury-Vapor

METAL BASKETS
See: Baskets, Metal

METAL BEARINGS
See: Bearings, Metal

METAL CHUTES
See: Chutes, Metal

METAL, CORROSION-RESISTANT
Allegheny-Ludlum Steel Corp.
Crucible Steel Co. of America
Haynes Stellite Co., Unit of Union Carbide & Carbon Corp.
International Nickle Co., Inc.

METAL CYLINDERS
See: Washer Cylinders, Metal

METAL HAND TRUCKS
See: Trucks, Industrial

METAL HOSE, FLEXIBLE
See: Hose, Flexible Metal

METAL LOCKERS
See: Lockers, Metal

METAL, MONEL
International Nickel Co., Inc.

METAL PADS, MONEL
See: Pads and Padding, Press and Ironer

METAL, PERFORATED
Berger Mfg. Div., Republic Steel Corp.
Chase Brass & Copper Co.
Ohio Centrifugals Co.

METAL PICK-UP BOXES
See: Boxes, Metal

METAL POLISH
See: Polish, Metal

METAL, PORCELAIN-ENAMELED
Stafford Mfg. Co., Inc.

METAL-PROTECTIVE PAINT
See: Paint

METAL ROOFING
See: Roofing, Metal

METAL SHELVING
See: Shelving, Metal

METAL TANKS
See: Tanks, Metal

METAL VATS
See: Vats, Metal

METAL WASHERS
See: Washers (under specific headings)

METAPHOSPHATE
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Rumford Chemical Works
Thompson-Hayward Chemical Co.

METASILICATE
Diamond Alkali Co.
DuPont de Nemours, E. I., & Co., Inc.
General Chemical Div., Allied Chemical & Dye Corp.
Philadelphia Quartz Co.
Thompson-Hayward Chemical Co.

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Dwyer, F. W., Mfg. Co.
Minneapolis-Honeywell Regulator Co., Industrial Div.
Republic Flow Meters Co.

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Minneapolis-Honeywell Regulator Co., Industrial Div.
Republic Flow Meters Co.

METERS, CARBON DIOXIDE (CO_2)
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Defender Instrument & Regulator Co.
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Minneapolis-Honeywell Regulator Co., Industrial Div.

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Weston Electrical Instrument Corp.

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Buffalo Meter Co.
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Republic Flow Meters Co.

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Fisher & Porter Co.
Foxboro Co.
Hagan Corp.
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Bowser, Inc.
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Republic Flow Meters Co.

METERS, GAS
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Minneapolis-Honeywell Regulator Co., Industrial Div.
Republic Flow Meters Co.
Roots-Connersville Blower Corp.
Worthington Pump & Machinery Corp.

METERS, pH CHLORIMETRIC DETERMINATION
See: pH Control Equipment

METERS, pH ELECTROMETRIC DETERMINATION
See: pH Control Equipment

METERS, STEAM
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Bailey Meter Co.
Bristol Co.
Foxboro Co.
Hagan Corp.
Minneapolis-Honeywell Regulator Co., Industrial Div.
Republic Flow Meters Co.

METERS, TIME
Bildwell Manfacturers
Minneapolis-Honeywell Regulator Co., Industrial Div.
Norman Control Co.
Van Chemical Co.

METERS, WASHER
Bildwell Manfacturers
Minneapolis-Honeywell Regulator Co., Industrial Div.
Norman Control Co.
Rosenthal Mfg. Co.
Van Chemical Co.

METERS, WATER
Bailey Meter Co.
Buffalo Meter Co.
Minneapolis-Honeywell Regulator Co., Industrial Div.
Republic Flow Meters Co.
Worthington Pump & Machinery Corp.

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Carlton Chemical Co., Inc.
Chek Products, Inc.
Cides Corp.
DuPont de Nemours, E. I., & Co., Inc.
Geigy Industrial Chemicals, Div. Geigy Chemical Corp.
General Dyestuff Corp.
Germaclean, Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

Haertel, Walter, Co.
Kohnstamm, H., & Co., Inc.
Mallinckrodt Chemical Works
Nuodex Products Co., Inc.
Patex & Co.
Pennsylvania Refining Co.
Reliable Machine Works, Inc.
Research Laboratories Corp.
Sirotta, Bernard, Co.
Speare Co.
Thompson-Hayward Chemical Co.
U. S. Rubber Co.

MILL WHITE PAINT

See: Paint

MIXERS, STARCH

See: Starch Mixers

MODIFIED SODA

See: Soda, Modified

MOISTENERS, LABEL

Better Packages, Inc.

MOISTURE-DISPENSING AGENTS, FOR CHARGE SYSTEM

Caled Products Co., Inc.
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Eaton Chemical & Dyestuff Co.
Ellenbogen & Shannon, Inc.
Geigy Industrial Chemicals, Div. Geigy Chemical Corp.
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Pennsylvania Salt Mfg. Co.
Riverside Mfg. Co.
Spix Products Co.
Street, R. R., & Co., Inc.

MOLDED RUBBER GOODS

See: Rubber Goods, Molded

MONEL METAL

See: Metal, Monel

MONEL METAL PADS

See: Pads and Padding, Press and Ironer

MONORAIL CONVEYORS

See: Conveyors, Monorail

MONORAIL TROLLEYS

See: Trolleys, Monrail

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Adco, Inc.
Adrian Research & Chemical Co., Inc.
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Benda Products, Inc.
Chek Products, Inc
Cidex Corp.
Diamond Chemical Co., Inc.
Ellenbogen & Shannon, Inc.
Emery Industries, Inc., Sanitone Div.
Fumol Corp.

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FUMOL "Pete" (0540) for Petroleum Systems
FUMOL "Cynthia" (55200) for Synthetic Systems
MOTH SECTOL for Spraying
FUMOL CORPORATION
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Merson Products Co.
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Keystone Chemical Co.
Reliable Machine Works, Inc.
U. S. Hoffman Machinery Corp.
Wolke, A. F., Co.

MOTHPROOF STORAGE BAGS

See: Bags, Storage Mothproof

MOTH REPELLENTS

See: Mothproofing Agents

MOTOR CONTROLS

See: Controls and Regulators, Motor

MOTOR-GENERATOR SETS

Allis, Louis, Co.
Crocker-Wheeler Electric Mfg. Co., Div. Joshua Elliot Co.
General Electric Co.
Kato Engineering Co.

MOTOR-OPERATED VALVES

See: Valves, Motor-Operated

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Diehl Mfg. Co., Electrical Div. Singer Mfg. Co.
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General Electric Co.
Reliance Electric & Engineering Co.
Worthington Pump & Machinery Corp.

MOTOR TRUCKS

See: Trucks, Motor

MUSHROOM PRESSES

See: Presses, Mushroom

NAMEPLATES

See: Emblems

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Union Oil Co. of California

NECKBAND REPLACEMENTS

See: Replacements, Collar, Cuff and Neckband

NECKTIE BAGS

See: Bags, Necktie

NECKTIE CASES

See: Cases, Necktie

NECKTIE HANGERS

See: Hangers, Necktie

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Speare Co.
Tingue, Brown & Co.
Whitehouse Nylon Products

NEUTRAL LUBRICANT

See: Spotting Agents

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International Nickel Co., Inc.

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See: Traps, Non-Return

NON-RETURN VALVES, BOILER

See: Valves, Boiler Non-Return

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See: Fur Cleaning Supplies

NYLON COVER CLOTH

See: Cloth, Cover

NYLON IRONER TAPE

See: Tape, Ironer

NYLON NETS

See: Nets, Laundry

NYLON PRESS CLOTH

See: Cloth, Press

ODOR ABSORBERS

See: Absorber, Odor

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See: Separators, Oil and Steam

OIL-BURNER GOVERNORS

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OIL BURNERS

See: Burners, Oil

OIL COOLERS

See: Coolers, Oil, Water, Air

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Johnson Corp.
Permutit Co.
Wright-Austin Co.

OILLESS BEARINGS

See: Bearings, Oilless

OIL PUMPS

See: Pumps, Oil

OIL-REMOVING FILTERS

See: Filters, Oil-Removing

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Lubriplate Div., Fiske Bros. Refining Co.
Pure Oil Co.
Standard Oil Co.
Stewart-Warner Corp., Alemite Corp.
Texas Co.
Union Oil Co. of California

OIL SOAPS

See: Soaps, Oil

OILS, SULPHONATED

See: Sulphonated Oils

OIL, TURKEY RED

See: Turkey Red Oil

OPTICAL BLEACH

See: Bleach

ORTHOSILICATE (SODIUM)

See: Sodium Orthosilicate

OVERALL FORMS

Loef Bros., Inc.

OVERALL PRESSES

See: Presses, Overall

OVERFEED STOKERS

See: Stokers

OVERHEAD CONVEYORS

See: Conveyors (under specific headings)

OVERHEAD CRANES

See: Cranes, Overhead Electric

OXALIC ACID

DuPont de Nemours, E. I., & Co., Inc.
Innis, Speiden & Co.
Mallinckrodt Chemical Works
Victor Chemical Works

OZONE GENERATORS

See: Deodorizing Machines

PACKAGE DISCHARGE CONVEYORS

See: Conveyors, Package Discharge

PACKAGE-TYING MACHINES

See: Bundle Tyers

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Academy Paper Box Co.
Anderson, Glenn L.
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Better Packages, Inc.
Bond Street Bag & Paper Corp.
Brooks, Alfred J.
Cade Paper & Bag Corp.
Carry-Pack Co., Ltd.
Century Paper Products
Comet Envelope & Paper Co., Inc.
Connolly, J. J., Inc.
Cornell Paperboard Products
Dee Paper Co.
Display Features
Dixie Hanger Co.
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Market Industries Co., Inc.
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National Tag & Label Corp.
Package Masters, Inc.
Pak-Rite Flexible Packaging Co.
Pars-Lux Products Co.
Patek & Co.
Phoenix Products Co.
Quik-Pac Div., H. Wesley Hutchins Co.
Rosenthal Paper Co.
Spear Box Co.
Steele, J. W., & Co.
Story Mfg. Co.
Sutherland Paper Co.
Time Savers, Inc.
West Side Corp.
Whitman Supply Co., Inc.
Wormstead, Smith & Loomis, Inc.

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Graton & Knight Co.
International Steel Wool Corp.
Johns-Manville
Philadelphia Belting Co.
Raybestos-Manhattan, Inc.
U. S. Rubber Co.

PADDINGS, ASBESTOS

See: Pads and Padding, Press and Ironer

PADDING, COTTON

See: Pads and Padding, Press and Ironer

PADDING, FELT

See: Pads and Padding, Press and Ironer

PADDING, IRONER

See: Pads and Padding, Press and Ironer

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American Associated Cos.
American Hair & Felt Co.
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New York Pressing Machinery Corp.
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Quality Products Co.
Resillo Co.



Revolite Div., Atlas Powder Co.
Southern Mills, Inc.
Stadham Co., Inc.
Rubin, E. L., Mfg. Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

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"RESILLO" and "BESTEEL"
Steel Wool pads. Asbestos—Nylon—Cotton—Wool—Hair.
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507 Bishop Street, N.W., Atlanta, Georgia, ATwood 3864
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1765 Carter Avenue, New York 57, N. Y., CYpress 9-4800

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Western Laundry Press Co.
Whitehouse Nylon Products
Zeidler Mfg. Co.
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In easy to understand words and pictures, the techniques you need to turn out good work at a profit. Only $1.00, ORDER NOW from
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PADS, IRONER, FELT
See: Pads and Padding, Press and Ironer

PADS, IRONER, FLANNEL
See: Pads and Padding, Press and Ironer

PADS, IRONER, HANDKERCHIEF
See: Pads and Padding, Press and Ironer

PADS, MONEL METAL
See: Pads and Padding, Press and Ironer

PADS, PRESS AND IRONER, ASBESTOS
See: Pads and Padding, Press and Ironer

PADS, PRESS, COTTON
See: Pads and Padding, Press and Ironer

PADS, PRESS, FELT
See: Pads and Padding, Press and Ironer

PADS, PRESS, FLANNEL
See: Pads and Padding, Press and Ironer

PADS, PRESS, RUBBER
See: Pads and Padding, Press and Ironer

PADS, PRESS, SPRING
See: Pads and Padding, Press and Ironer

PADS, PRESS, STEEL WOOL
See: Pads and Padding, Press and Ironer

PADS, PRESS, WOVEN
See: Pads and Padding, Press and Ironer

PADS, TUMBLER
See: Tumbler Pads

PAILS, ACID-RESISTING
See: Buckets and Pails, Acid-Resisting

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American Abrasive Metals Co.
American-Marietta Co.
Barreled Sunlight Paint Co.
Barrett Div., Allied Chemical & Dye Corp.
Continental Car-Na-Var Corp.
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Horn, A. C., Co., Inc.
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Pecora Paint Co., Inc.
Pittsburgh Plate Glass Co., Paint Div.
Quigley Co., Inc.
Sherwin-Williams Co.
Steelcote Mfg. Co.
Tropical Paint & Oil Co.

PAINT, ALUMINUM
See: Paint

PAINT, BRICK, CEMENT, CONCRETE, STONE
See: Paint

PAINT, HEAT-RESISTING
See: Paint

PAINT, METAL-PROTECTIVE
See: Paint

PAINT, MILL WHITE
See: Paint

PAINT, OIL AND GREASE REMOVER
Adco, Inc.
Adrian Research & Chemical Co., Inc.
Benda Products, Inc.
Caled Products Co., Inc.
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
Continental Car-Na-Var Corp.
Davies-Young Soap Co.
Dixo Co.
Drew, E. F., & Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
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G & G Chemical Co.
Greenville Chemical Co.
Huntington Laboratories, Inc.
Johnson, W. F., Products Co.
Keystone Aniline & Chemical Co.
Lewis National Corp.
Merson Products Co.
Midland Paint & Varnish Co.
National Cleaners Chemical Mfg. Co.
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Removes—paint, grease, oil, lacquer and many other difficult stains.
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Riverside Mfg. Co.
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ALL-PURPOSE SPOTTER
Sold by leading jobbers everywhere
Removes 90% of all stains including PAINT • OIL • GREASE

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West Side Corp.
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Binks Mfg. Co.
Continental Car-Na-Var Corp.
DeVilbiss Co.
Riverside Mfg. Co.
Spray Engineering Co.
Stewart-Warner Corp., Alemite Corp.

PAINT, STEAM- AND FUME-RESISTING
See: Paint

PAINT, TRUCK
See: Paint

PAINT, WOOD
See: Paint

PANTS BAGS
See: Bags, Pants or Trousers

PAPER, ASBESTOS
See: Asbestos Paper

PAPER BANDS
See: Bands, Paper

PAPER BOXES
See: Boxes, Fiber and Paper

PAPER HANGERS
See: Hangers, Garment

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See: Mending, Patching Material

PEARL BUTTONS

See: Buttons

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PHOSPHATE, SODIUM TETRAPHOSPHATE

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PHOSPHATE TEST KITS

See: Test Kits, Phosphate

PHOSPHATE, TRISODIUM

See: Trisodium Phosphate

PHOTOELECTRIC CONTROLS

See: Controls and Regulators, Photoelectric

pH TEST KITS

See: Test Kits, pH Control

PICK-UP BOXES, METAL

See: Drop Boxes

PILLOW BLOCKS

See: Blocks, Hanger and Pillow

PILLOWCASE REPLACEMENTS

See: Replacements, Sheets, Pillowcases, etc.

PILLOWCASES

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PILLOW-FEATHER STERILIZING MACHINES

See: Sterilizing Machines, Pillow-Feather

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PLASTIC BUTTONS

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PLASTIC FIREBRICK

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See: Filter Powder

POWER HOISTS

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Dean Hill Pump Co.
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Deming Co.
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Marsh, Jas. P., Corp.
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PUMPS, FEED-WATER

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Carver Pump Co.
Chicago Pump Co.
Cissell, W. M. Mfg., Co.
Dean Hill Pump Co.
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Defender Instrument & Regulator Co.
Eclipse Fuel Engineering Co.
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Hapman-Duttton Co., Dutton Boiler Div.
Ingersoll-Rand Co.
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Powers Regulator Co.
Republic Flow Meters Co.
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Egry Register Co.
Hub Printing Services
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See: Floor Sealing and Repair Materials

SEALS

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SEAM AND COLLAR DAMPENERS

See: Dampeners, Collar and Seam

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See: Tubing, Seamless, Flexible Metal, or Tubing, Seamless Steel

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See: Sodium Sesquicarbonate

SESQUISILICATE, SODIUM

See: Sodium Sesquisilicate

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See: Boiler Settings

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See: Grates, Shaking and Stationary

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See: Bags, Dress-Shirt

SHIRT BANDS

See: Bands, Paper

SHIRT BASKETS

See: Baskets, Shirt

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See: Emblems

SHIRT ENVELOPES, CARDBOARD

See: Shirt Bags

SHIRT ENVELOPES, CELLOPHANE

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See: Time Signals

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See: Tumbler Signals

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See: Bleach

SILK PRESSES

See: Presses, Silk

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See: Rug and Carpet Cleaning Equipment

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See: Soda, Modified

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See: Soda Ash (Sodium Carbonate)

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See: Water Softeners

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See: Detergents, Special Wetcleaning

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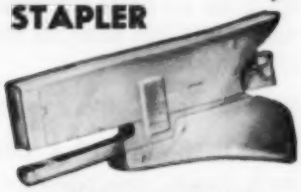
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Hagan Corp.
National Chemical Sales Co., Laboratory, Inc.

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Diamond Alkali Co.
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Solvay Process Div., Allied Chemical & Dye Corp.
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See: Fatty-Acid Test Kit, Strong-Soap Test Kit

TEST KITS, pH CONTROL

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Diamond Alkali Co.
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Lewis National Corp.
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See: Traps, Thermostatic

THERMOSTATIC VALVES

See: Valves, Thermostatic

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American Associated Cos.
Fleischer Mills, Inc.
Heminway & Bartlett Mfg. Co.
Myer, Henry, Thread Mfg. Co.
Whitehouse Nylon Products

THREADERS, PIPE

See: Pipe Cutters and Threaders

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TIME CONTROLS

See: Controls and Regulators, Time

TIME INDICATORS

See: Indicators, Time

TIME METERS

See: Meters, Time

TIME RECORDERS

See: Recorders, Time

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Prosperity Co., Inc.
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Tork Clock Co., Inc.
Walser Automatic Timer Corp.
Western Laundry Press Co.
Zenith Electric Co.

TIMERS, WASHER

See: Washer Timers and Controls

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See: Switches, Time

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Cal Products
Heller, B., & Co.
Keystone Aniline & Chemical Co.
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TOWEL CABINETS, CONTINUOUS

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See: Counters, Automatic

TOWEL REPLACEMENTS

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Sterling Engineering & Mfg. Corp., Templeton Mfg. Co.
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See: Replacements, Trouser Pocket

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See: Wheels, Casters (Truck, etc.)

TRUCK DOLLIES

See: Dollies

TRUCK PAINT

See: Paint

TRUCK RECORDERS

See: Recorders, Truck

TRUCK TIRES

See: Tires

TRUCK TUBS

See: Tubs, Truck

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Buda Co.
Colson Corp.
Daniels, C. R., Inc.
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National Truck Leasing System

TRUCKS, SHIRT BASKET

See: Shirt Carriages

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Lunkenheimer Co.
Superior Controls Co., Inc.
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TUBES, BOILER

See: Boiler Tubes

TUBES, WRAPPING

See: Wrapping Tubes, Flat Goods

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Eclipse-Pioneer Div., Bendix Aviation Corp.
Flexonics Corp.
Johnson Metal Hose, Inc.
Packless Metal Hose, Inc.
Ronaflex Tubing Co., Inc.

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See: Generators, Electric

TURBINE GOVERNORS

See: Governors, Turbine

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See: Stokers

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See: Emblems

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Master, Geo., Div.
Shane Uniform Co., Inc.
Shreveport Garment Mgfrs.
Some's Terminal Uniforms
Uniform Sales Co.
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See: Heaters, Unit

UNLOADING EXTRACTORS

See: Extractors, Mechanical Unloading

UNLOADING WASHERS

See: Washers, Unloading

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Street, R. E., & Co., Inc.
Van Chemical Co.

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See: Machinery, Used and Rebuilt

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VACUUM CLEANERS, RUG AND CARPET

See: Rug and Carpet Cleaning Equipment

VACUUM PUMPS

See: Pumps, Vacuum

VACUUM PUMPS, STEAM-HEATING

See: Pumps, Vacuum, Steam-Heating

VACUUM RECORDERS

See: Recorders, Vacuum

VACUUM REGULATORS

See: Controls and Regulators (Vacuum)

VACUUM STILLS

See: Stills

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Goldman Pressing Machine Corp.



Lamson Corp., Blower Div.
Loyal Textile Machinery Corp.
Rema Corp.



Spencer Turbine Co.
U. S. Hoffman Machinery Corp.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

VACUUM TRAPS

See: Traps, Vacuum

VALVE CONTROLS

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Hammel-Dahl Co.
Keckley, O. C., Co.
Lamson Corp., Blower Div.
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Sterling, Inc.
Superior Controls Co., Inc.

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See: Indicators, Valve

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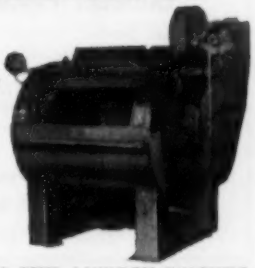


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Geigy Industrial Chemicals, Div. Geigy Chemical Corp.
General Dyestuff Corp.
Germaclean, Inc.
Horn, A. C., Co., Inc.
Huntington Laboratories, Inc.
Johnson, S. C., & Sons, Inc.
Keystone Aniline & Chemical Co.
Kohnstamm, H., & Co., Inc.
Lincoln Research, Inc.
Marelene Chemical Corp.
Merson Products Co.
Namco Chemical Corp.
National Cleaners Chemical Mfg. Co.
Nu-Pro Mfg. Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

Package Chemical Co., Inc.
Paper Chemicals, Inc.
Spix Products Co.
Stainpruf Mfg. Co.
Stamford Chemical Co
Street, R. R., & Co., Inc.
Surface Protection Co., Inc.

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Warwick Chemical Co.

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American Water Softener Co.
Bersworth Chemical Co.
Bruner Corp.
C & C Water Softener Co.
Calgon, Inc.
California Laundry Equipment Co.
Cochrane Corp.
Culligan Zeolite Co.
Drew, E. F., & Co., Inc.
Elgin-Refinite, Div. of Elgin Softener Corp.
General Aniline & Film Corp., Special Products Sales Div.
General Dyestuff Corp.
Graver Tank & Mfg. Co.
Hammond Laundry-Cleaning Machinery Co.
Hungerford & Terry, Inc.
Infilco, Inc.
Kenney Softener & Filter Co.
Keystone Chemical Co.
Kisco Boiler & Engineering Co.
Olin Mathieson Chemical Corp.
Monarch Engineering Co.
North Coast Chemical & Soap Works
Oakite Products, Inc.
Permutit Co.
Rumford Chemical Works
Slater-Robbins Co. Inc.
Solvay Process Div., Allied Chemical & Dye Corp.
Stauffer Chemical Co.
Stover Water Softener Co.
Washer Dryer Mfg. Co.
Uniflow Mfg. Co.
West Texas Marine Boiler Works, Inc.
Wyandotte Chemicals Corp.
Zero Water Softener Mfg. Co.

WATER SOFTENING EQUIPMENT

American Water Softener Co.
Bruner Corp.
Carey Salt Mfg. Co.
Cochrane Corp.
Culligan Zeolite Co.
Davis-Weil Mfg. Co.
Elgin-Refinite, Div. of Elgin Softener Corp.
Graver Tank & Mfg. Co.
Hammond Laundry-Cleaning Machinery Co.
Hungerford & Terry, Inc.
Infilco, Inc.
Kenney Softener & Filter Co.
Kisco Boiler & Engineering Co.
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Oshkosh Filter & Softener Co.
Permutit Co.
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Washer Dryer Mfg. Co.
Worthington Pump & Machinery Corp.
Zero Water Softener Mfg. Co.

WATER SOLVENT STILLS

See: Stills

WATER STORAGE HEATERS

See: Heaters, Water Storage

WATER SUPPLY PUMPS

See: Pumps, Water Supply

WATER SYSTEMS, HOT

See: Hot Water Systems

WATER TESTERS

See: Testers, Water

WATER TREATMENT, BOILER

See: Boiler Water Treatment

WATER TREATMENT CONTROL TEST EQUIPMENT

See: Water Analysis Equipment

WATER TREATMENT EQUIPMENT

American Water Softener Co.
Aqua Electric Scale Control, Inc.
Bruner Corp.
Cochrane Corp.
Culligan Zeolite Co.
Elgin-Refinite, Div. of Elgin Softener Corp.
Graver Tank & Mfg. Co.
Hellige, Inc.
Hungerford & Terry, Inc.
Infilco, Inc.
Kisco Boiler & Engineering Co.
Layne & Blower, Inc.
Monarch Engineering Co.
Oshkosh Filter & Softener Co.
Permutit Co.
Proportioneers, Inc.
Stomac Engineering Co., Inc.
Zero Water Softener Mfg. Co.

WAX AND WAX PRODUCTS

American Associated Cos.
Armour & Co., Industrial Soap Div.
Concord Chemical Co.

For Smooth Wrinkle-Free Ironing
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CAKE KARAGAMI
JAPAN WAX
Concord Chemical Co.
Moorestown, N. J.
Moorestown 9-1100

Continental Car-Na-Var Corp.
Davies-Young Soap Co.
DuPont de Nemours, E. I., & Co., Inc.
Geigy Industrial Chemicals, Div. Geigy Chemical Corp.
Hood Chemical Co., Inc.
Horn, A. C., Co., Inc.
Huntington Laboratories, Inc.
Innis, Speiden & Co.
Johnson Chemical Industries, Inc.
Keystone Chemical Co.
Kohnstamm, H., & Co., Inc.
Lewis National Corp.
Midland Paint & Varnish Co.
Namco Chemical Corp.
Pittsburgh Waterproof Co.
Speare Co.
Stadham Co., Inc.
Strohmeyer & Arpe Co.
Tingue, Brown & Co.

WAX EMULSIONS

See: Emulsions, Wax

WAX, FLOOR

Adco, Inc.
Continental Car-Na-Var Corp.
Davies-Young Soap Co.
Davis-Weil Mfg. Co.
DuPont de Nemours, E. I., & Co., Inc.
Flintkote Co.
Hild Floor Machine Co.
Horn, A. C., Co., Inc.
International Metal Polish Co.
Keystone Chemical Co.
Multi-Clean Products, Inc.
North Coast Chemical & Soap Works
Standard Oil Co.
Wyandotte Chemicals Corp.

WAX, JAPAN

Concord Chemical Co.
Innis, Speiden & Co.
Strohmeyer & Arpe Co.

WEARING APPAREL PRESSES

See: Presses, Wearing Apparel

WEAVING

See: Reweaving

WETCLEANING BRUSHES

See: Brushes

WETCLEANING DETERGENTS, SPECIAL

See: Detergents, Special Wetcleaning

WETCLEANING SOAPS

See: Soaps, Wetcleaning

WETCLEANING TABLES

Bishop, G. H., Co.
Columbia Appliance Corp.
Virginia Greenstone Co., Inc.
White Machine Co., Inc.

WETCLEANING WASHERS

See: Washers, Laundry

WETTING AGENTS

Adell Chemical Co., Inc.
American Alcolac Corp.
American Aniline Products, Inc.
Apex Chemical Co., Inc.
Armour & Co., Industrial Soap Div.
Atlas Powder Co., Industrial Chemicals Dept.
Benda Products, Inc.
Caled Products Co., Inc.
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
Colgate-Palmolive Co.
Davies-Young Soap Co.
Diamond Alkali Co.
Diamond Chemical Co., Inc.
Drew, E. F., & Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
Geigy Industrial Chemicals, Div. Geigy Chemical Corp.
General Aniline & Film Corp., Special Products Sales Div.
General Dyestuff Corp.
Hercules Powder Co.
Keystone Aniline & Chemical Co.
Kohnstamm, H., & Co., Inc.
Merchants Chemical Co., Inc.
Merson Products Co.
National Aniline Div., Allied Chemical & Dye Corp.
Nu-Pro Mfg. Co.
Oakite Products, Inc.
Patek & Co.
Pennsylvania Salt Mfg. Co.
Procter & Gamble Distributing Co.
Robins, G. S., Co.
Standard Soap Co. of Camden
Street, R. R., & Co., Inc.
Takamine Laboratory, Inc.
Universal Solvent Co.
Van Chemical Co.
Victor Chemical Works
Warco Laboratories
Wolke, A. F., Co.
Wyandotte Chemicals Corp.

WETWASH BAGS

See: Bags, Wetwash

WETWASH PAPER

See: Paper, Wetwash

WHEAT STARCH

See: Starch, Wheat

WHEELS AND CASTERS, TRUCK ETC.

Bernard Franklin Co., Inc.
Bond Foundry & Machine Co.
Clinton Products Co.
Colson Corp.
Darnell Corp., Ltd.
Fairbanks Co.
Hamilton Caster & Mfg. Co.
Lane, W. T., & Bros., Inc.
Market Forge Co.
Menasha Wood Split Pulley Co.
Newhouse Co.
Payson Mfg. Co.
U. S. Rubber Co.

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers opposite the inside back cover for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

WHITENERS, FLUORESCENT

Beach Soap Co.
Carlton Chemical Co.

WINDOW SIGNS AND VALANCES

See: Sales Promotion Material

WINDWHIP DRIERS

See: Driers, Windwhip

WIRE AND CABLE, INSULATED

Chace Valve Div., American Laundry Machinery Co.
General Electric Co.
U. S. Rubber Co.

WIRE BASKETS

See: Baskets, Wire

WIRE HANGERS

See: Hangers, Garment

WIRE STAPLES

See: Staples, Wire

WOOD BASKETS

See: Baskets, Wood

WOOD BOXES

See: Boxes, Wood

WOOD CYLINDERS

See: Washer Cylinders, Wood

WOOD FOLDING BOXES

See: Boxes, Wood

WOOD HAMPERS

See: Hampers

WOOD HAND TRUCKS

See: Trucks, Industrial

WOOD HANGERS

See: Hangers, Garment

WOOD PAINT

See: Paint

WOOD RACKS

See: Racks (under specific headings)

WOOD TABLES

See: Tables, Wood

WOOD TANKS

See: Tanks, Wood

WOOD TRUCKS

See: Trucks, Industrial

WOOD TUBS

See: Tubs, Wood

WOOD VATS

See: Vats, Wood

WOOD WASHERS

See: Washers, Drycleaning, Wood, or Washers, Laundry, Wood

WOOL AND WORSTED UNIFORMS

See: Uniforms, Cotton, Woolen, Worsted, etc.

WOOLEN AND CURTAIN DRIERS

See: Driers, Woolen and Curtain

WOOLEN BLEACH

See: Bleach

WOOLEN SOAPS

See: Soaps, Silks and Woolens

WOVEN BELTING

See: Belting, Woven

WOVEN MARKING LABELS

See: Labels, Woven, Marking

WRAPPERS, PAPER

Connolly, J. J., Inc.
Loroco Industries, Inc.
Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Rosenthal Paper Co.
Spear Box Co., Inc.
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WRAPPERS, SHIRT

Loroco Industries, Inc.
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Morse Display Cases
Package Masters, Inc.
Pak-Rite Flexible Packaging Co.
Phoenix Products Co.
Quik-Pac Div. H. Wesley Hutchins Co.
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Wormstead, Smith & Loomis, Inc.

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Spear Box Co., Inc.

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Coffman Mfg. Corp.
Connolly, J. J., Inc.
Norman Controls Co.
Quik-Pac Div., H. Wesley Hutchins Co.
Rosenthal Mfg. Co.
Tele-Vue Packaging Products, Inc.

WRAPPING PAPER

See: Paper, Wrapping

WRAPPING TUBES, FLAT GOODS

Spear Box Co., Inc.

WRENCHES, PIPE

Newhouse Co.
Walworth Co.

WRINGERS, RUG AND CARPET

See: Rug and Carpet Wringers

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Bruner Corp.
Cochrane Corp.
Culligan Zeolite Co.
Elgin-Refinite, Div. of Elgin Softener Corp.
Graver Tank & Mfg. Co.
Hungerford & Terry, Inc.
Infileo, Inc.
Kenney Softener & Filter Co.
Monarch Engineering Co.
National Aluminate Corp.
National Chemical Sales Co., Laboratory, Inc.
Oshkosh Filter & Softener Co.
Permutit Co.
Research Products Corp.
Stover Water Softener Co.
Zero Water Softener Mfg. Co.

ZIPPER REPAIR AND EQUIPMENT SUPPLY

See: Fasteners, Slide, Repair Equipment and Tools

ZIPPERS

See: Fasteners, Slide

To Maintain Accuracy in the Drycleaner's Standard Buyer's Guide

Manufacturers and jobbers are urged to write promptly about any changes affecting their listings in the various sections of this directory.

Manufacturers should send notice of new products, new trade names, new branch offices, changes of address, as well as discontinuances of products and trade names.

Jobbers should send notice of changes in address.

Send notification to:

Guidebook Compilation

NATIONAL CLEANER & DYER

304 East 45th Street
New York 17, New York

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

NEED MORE *information?*



Users of this Guidebook of the Drycleaning Industry, plantowners and executives, jobbers and distributors, may obtain free for the asking further information on:

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TRADE NAMES

products used in the drycleaning industry and their manufacturers

A

AA, washers, extractors, etc., A-A Laundry Machinery Co.
A-B, marking tags, Boston Clip & Tag Co.
AB, sock tag, Boston Clip & Tag Co.
ABC, collar, cuff and neckband replacements, ABC Collar 'N' Cuff Co.
ABC, payroll system, Todd Co., Inc.
AM, pocket pH meter, electrometric, Analytical Measurements, Inc.
ATC, controls and regulators, time switches, Automatic Temperature Control Co., Inc.
ABSO-SOFT, water softener, Kisco Boiler & Engineering Co.
A.C.B. PRIMER, anti-corrosive, base primer, Tropical Paint & Oil Co.
ACCELATOR, water softeners, Infilco, Inc.
ACCUMETER, automatic centralized lubrication systems, Alemite Div., Stewart Warner Corp.
ACE, drycleaning tumblers, solvent reclaimers, Ace Cabinet Corp.
ACE, reweaving, Ace Weaving Service
ACE, rubber hose, Ace Hose & Rubber Co.
ACE, stapler, staples, Ace Fastener Corp.
ACE, starch cookers, Hammond Laundry-Cleaning Machinery Co.
ACECO, drycleaning equipment, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
ACE OF HEARTS, red indelible ink, Boston Clip & Tag Co.
ACE OF SPADES, black indelible ink, Boston Clip & Tag Co.
ACETEX, sour, Hood Chemical Co., Inc., Crescent Div.
ACETI SOUR, sour for drycleaners, Keever Starch Co.
ACID-SUDS, rug cleaning detergent for light colors, Certified Chemical & Equipment Co.
ACKER, return systems, traps, W. M. Acker Organization, Inc.
ACME, dyeing, Acme Dye House, Inc.
ACME, folding box, Rosenthal Paper Co.
ACME, laundry soap and builders, powder, Acme Soap Co.
ACME BRAND, hat chemical and bleach, Acme Hatters Supply Co.
ACME F.O.T., fuel treatment, Acme Industrial Compounds Corp.
ACME SCALE OUT, boiler feed-water treatment, Acme Industrial Compounds Corp.
ACME SOOT STOP, soot remover, Acme Industrial Compounds Corp.
ACORN, round belting, Graton & Knight Co.
ACOUSTOLIGHT, acoustical paint, U. S. Gutta Percha Paint Co.
ACTICAR, odor-, taste-removal filter, Hungerford & Terry, Inc.
ACTIVATOR, laundry washing machines, General Electric Co.
AC TREATMENT, anti-corrosion water treatment, Elgin-Refinite, Div. of Elgin Softener Corp.
ADAMS, reweaving, Adams Weaving Co.
ADAPT-O-MATIC, finishing machine, J. W. Steele & Co.
ADCO, detergent, wet paste soap, rug shampoo, Adco, Inc.
ADCO, rubber cement, Adhesive Products Corp.
ADCO ATOMIZER, soap dispenser, Adco, Inc.
ADCO FUME, liquid gas fumigant, Adco, Inc.
ADCO SUDS, drycleaning soap, Adco, Inc.
ADD-A-UNIT, curtain stretcher, Rosenthal Mfg. Co.
ADD-A-UNIT, shirt-sorting bins, Time Savers, Inc.
ADDRESSOGRAPH, addressing equipment, Addressograph-Multigraph Corp.
AD-DRI, bleach, Olin Mathieson Chemical Corp.
A. D. FLAME PROOFER, fire repellent, Huntington Laboratories, Inc.
ADJUSTA-FORM, steam-air finisher, Wichita Precision Tool Co., Inc.
ADJUSTIT, adjustable garment hangers, Hopkins Equipment Co.
ADJUST-O-FEEDER, constant rate proportioning pump, Proportioneers, Inc.
ADJUSTO-SYNCHRON TIMER, automatic laundry timer, Unit Wash Corp.
ADRIAN, drycleaning soap, liquid and powder wetcleaning soap, powder rug cleaning soap, spotting and mothproofing agents, Adrian Research & Chemical Co., Inc.
ADSCO, expansion joints, steam traps, water heaters, American District Steam Co., Inc.
ADS-LIFE, nylon cover cloth, Whitehouse Nylon Products
ADVANCE AIRDRY TUMBLER, laundry and drycleaning tumbler, Driair Process Machinery Co.
ADVANCE LOWBOY, floor and rug maintenance machinery, Advance Floor Machine Co.
ADVANCE SPEEDWAY, floor and rug maintenance machinery and equipment, Advance Floor Machine Co.
ADVERTAG, advertising, instruction tags, Denney Tag Co.
A. E. PERFECT SPREAD, stokers, American Engineering Co.
AERO, double collar support, J. W. Steele & Co.
AERO-DRAULIC, drycleaning press, U. S. Hoffman Machinery Corp.
AERO-MAGNETTE, circuit breakers, Heinemann Electric Co.
AETNA FELT, woven and pressed-hair felt, Aetna Felt Co., Inc.
AID-SOL, solvent purifier, Adrian Research & Chemical Co.
AIRCON, continuous conditioning tumbler, American Laundry Machinery Co.
AIR CHIEF, truck tires, Mohawk Rubber Co.
AIRCRAFT, drying tumbler, American Laundry Machinery Co.
AIR DRY TUMBLER, laundry and drycleaning tumbler, Driair Process Machinery Co.
AIRFOAM, latex cushioning for press pads, Goodyear Tire & Rubber Co.
AIR-LOK, cuff-drying hanger, R. D. Bussard & Son
AIR MASTER, debumidifying unit, Walter Haertel Co.
AIROCOOL, industrial gas burners, National Airoil Burner Co.
AIROVENT, blowers, National Airoil Burner Co.
AIRTEMP, air-conditioning equipment, Chrysler Corp., Airtemp Div.
AIRTUBE, pneumatic tubes, Lamson Corp.
AIRVENT, ventilating canopies for flatwork ironers, American Laundry Machinery Co.
AIRWAY, cuff cleaner, Kirk's Leather Cleaners
AIRWAY, laundry and hair-removal type drier, American Laundry Machinery Co.
AIRXPEL, traps, Wright-Austin Co.
AJAX, drycleaning and laundry presses, Western Laundry Press Co.
AKAUSTAN, fire retardant, General Dyestuff Corp.
ALBANY, lubricating greases, Adam Cook's Sons, Inc.
ALBAPHOR, textile whitener, Carlton Chemical Co., Inc.
ALBA-VIS, general purpose oil, Adam Cook's Sons, Inc.
AL-BEX, stain remover, Spix Products Co.
ALBONE, hydrogen peroxide, E. I. du Pont de Nemours & Co., Inc.
ALBRA, brushes, brooms, Braun Brush Co.
ALEMITE, lubricants and oils, lubricating equipment, Stewart-Warner Corp., Alemite Corp.
ALEMITE VERSATAL, spray equipment, Stewart-Warner Corp., Alemite Corp.
ALERT, boilers, heaters, tanks, Alert Boiler & Mfg. Co.
ALERT, fire extinguishers, American-La France-Foamite Corp.
ALERT, watchmen's clocks, Dexter Watchclock Corp.
ALFCO, all types fire extinguishers, motorized firefighting apparatus, American-La France-Foamite Corp.
ALFCOSPRAY, nozzles, American-La France-Foamite Corp.
ALFITE, all types fire extinguishers, American-La France-Foamite Corp.
ALFREDA, fur repair, remodeling, purchasing service, Alfreda Furs
ALGONQUIN, soap, Lewis National Corp.
ALIZARINE, aniline dyes, American Aniline Products, Inc.
ALKALATE, laundry detergent, Diamond Alkali Co.
ALKASOL COMBINATION, self-mixed soap detergent, Merson Products Co.
AL-KLOR, liquid drycleaning detergent, Davies-Young Soap Co.
ALKOLUBE, alkali, Washine National Sands, Inc.
ALKON, laundry breaks, George Stearns Chemical & Mfg. Co.
ALKOSOL, alkali soap builder, Carlton Chemical Co., Inc.
ALL COLER, bleach, Warco Laboratories
ALL-DAY, laundry marking tag, Boston Clip & Tag Co.
ALLEGHENY METAL, stainless steel, Allegheny Ludlum Steel Corp.
ALLEN, electric steam generators, steam electric and electric irons, H. P. Cooper & Co.
ALLEN WALES, adding machines, National Cash Register Co.
ALLIED, promotional material, Allied Printing & Stationery Co., Inc.
ALLIGATOR, belt fasteners, belt cutters, Flexible Steel Lacing Co.
ALL-IN-ONE, air-conditioning unit, Chrysler Corp., Airtemp Div.
ALL IN ONE, zipper repair kit, spotting gun, press clamp, sleeve formers, auto rack, Newhouse Co.
ALLOCK, laundry nets and fabrics, Davis Mills Inc.
ALL-PURPOSE, shirt unit, Prosperity Co., Inc.
ALL-PURPOSE, sour, Thompson-Hayward Chemical Co.
ALL-PURPOSE, starch, A. E. Staley Mfg. Co.
ALL-STEEL, scales, Triner Scale & Mfg. Co.
ALLWAY, trouser shaper, Huebsch Mfg. Co., Div. American Laundry Machinery Co.
ALLWEATHER, fire extinguishers, American-La France-Foamite Corp.
ALL WIRE, garment hangers, Star Service Hanger Div., L. A. Young Spring & Wire Corp.
ALMCON, automatic washing control, American Laundry Machinery Co.
ALPHA, oil pumps, Lunkenheimer Co.
ALRITE, pins, trays and tray cabinets, marking pins, Keyes-Davis Co.
ALROLENE 70, petroleum drycleaning detergent, Alrose Chemical Co., Div. Geigy Chemical Co.
ALROLENE 65, synthetic drycleaning detergent, Alrose Chemical Co., Div. Geigy Chemical Co.
ALROMINE, RU100, diaper and cotton softener, Alrose Chemical Co., Div. Geigy Chemical Corp.
ALROPEL, dry size and water repellents, Alrose Chemical Co., Div. Geigy Chemical Co.
ALROSNE 31, synthetic detergent, Alrose Chemical Co., Div. Geigy Chemical Co.
ALROSEPT, germicide and fabric softener, Alrose Chemical Co., Div. Geigy Chemical Co.
ALROSOL, wetting agent and penetrant, Alrose Chemical Co., Div. Geigy Chemical Co.
ALROWET, wetting agent, Alrose Chemical Co., Div. Geigy Chemical Co.
ALSEN, oil cups, Lunkenheimer Co.
ALUMEX 50, 60, 70, high alumina firebrick, kiln liners, Mexico Refractories Co.
ALUMINUM OILITE, bearings and parts, Chrysler Corp., Amplex Div.
ALVOR, oil control, Lunkenheimer Co.
AMACEL, acetate dyes, American Aniline Products, Inc.
AMAFORM, dyeing agent, American Aniline Products, Inc.
AMALAN, dyestuffs, American Aniline Products, Inc.
AMALIE, oils and greases, L. Sonneborn Sons, Inc.
AMANTHRENE, aniline dyes, American Aniline Products, Inc.
AMAPRO UNION, aniline dyes, American Aniline Products, Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

TRADE NAMES

AMAZON, washing powder, Swift & Co.
AMBASSADOR, continuous towel cabinet, Ambassador Continuous Cabinet Co.
AMBASSADOR, synthetic solvent drycleaning unit, Detrex Corp.
AMBER, all-metal sleeve board, sleeve form, sleeve press board, press clamp, steam iron stand, iron stand, iron rest, Amber Mfg. Co.
AMBER, neutral tallow soap, Procter & Gamble Distributing Co.
AMERICAINE, first aid for cuts, burns and bruises, Americaine, Inc.
AMERICAN, continuous towel cabinets, paper towel cabinets, Steiner Sales Co.
AMERICAN, curtain and blanket finishing equipment, American Laundry Machinery Co.
AMERICAN, drying and deodorizing cabinet, American Laundry Machinery Co.
AMERICAN, flatwork feeder and spreader, American Laundry Machinery Co.
AMERICAN, flexible metal hose, flexible metal tubing, American Brass Co., American Metal Hose Branch
AMERICAN, high-speed tumblers, American Laundry Machinery Co.
AMERICAN, laundry and drycleaning solid-curb extractors, American Laundry Machinery Co.
AMERICAN, men's dress and sport shirts, pajamas, American Shirt Co.
AMERICAN, paint-removing solvent, Adco, Inc.
AMERICAN, starch cookers, American Laundry Machinery Co.
AMERICAN, water meters, Buffalo Meter Co.
AMERICAN, wearing apparel, linen supply and other special-purpose press units, American Laundry Machinery Co.
AMERICAN AIRCRAFT, tumblers, American Laundry Machinery Co.
AMERICAN AUTOMATIC, drycleaning tumblers, temperature controls, American Laundry Machinery Co.
AMERICAN BEAUTY, electric flatirons, American Electrical Heater Co.
AMERICAN CASCADE, washers, American Laundry Machinery Co.
AMERICAN FORMATIC, shirt unit, American Laundry Machinery Co.
AMERICAN-LA FRANCE, fire extinguishers, motorized fire-fighting apparatus, American-La France-Foamite Corp.
AMERICAN MODEL "S," super and master ironers, American Laundry Machinery Co.
AMERICAN MONARCH, washers, American Laundry Machinery Co.
AMERICAN MUROZA, feather cleaning and sterilizing systems, American Laundry Machinery Co.
AMERICAN O. T., drycleaning extractor, American Laundry Machinery Co.
AMERICAN SUPER SPEED, tumblers, American Laundry Machinery Co.
AMERICAN SYSTEM, shirt conveyor and presses, American Laundry Machinery Co.
AMERICAN TYPE A and TYPE C, semi-automatic washer controls, American Laundry Machinery Co.
AMERICAN VISIBLE, hand numbering machine, American Numbering Machine Co.
AMERICAN ZONE-AIR, feather reconditioning unit, American Laundry Machinery Co.
AMERICAN ZONE-AIR, laundry and drycleaning tumblers, American Laundry Machinery Co.
AMES, boiler engines, etc., Ames Iron Works
AMESTEAM, steam generator, Ames Iron Works
AMINOL, drycleaning detergent, Trico Chemical Div., Tri-State Equipment Co.
AMMOCIDE, laundry sterilizer, mildew preventative, Carlton Chemical Co., Inc.
AMMUM, wear-resistant metal for traps, valve parts, Strong, Carlisle & Hammond Co.
AMOREDTEX, extractor covers, Patek & Co.
AMSCO, high-flash Stoddard solvent, 140° F solvent, special naphtha, American Mineral Spirits Co.
AMYLIN, laundry starches, National Starch Products, Inc.
ANCHOR ALKALI, alkali cleanser, Solvay Process Div., Allied Chemical & Dye Corp.
ANDERSON, paper collar supports, Howe Paper Corp.
ANDERSON, pipe-line strainers, steam traps, V. D. Anderson Co.
ANDERSON EASY LOCK, drapery protector, Anderson Specialty Mfg. Co.
ANGELICA, washable service apparel, Angelica Uniform Co.
ANHYDRO, spotting agent, A. L. Wilson Chemical Co.
ANOLITE, moisture dispersing agent for charged systems, R. R. Street & Co., Inc.
ANSUL, fire extinguishers, Ansul Chemical Co.
ANTHONY, oil burners, pipe-line strainers, valve, Anthony Co.
ANTHONY NEBULYTE, gas, gas-oil, oil burners, torches, Anthony Co.
ANTI-CRUSH, double collar supports, J. W. Steele & Co.
ANTI-HYDRO, leather belting, waterproof cement, Webb Belting & Supply Co.
ANTI-ROLL, checks rolling on flatwork ironers, H. Kohnstamm & Co., Inc.
ANTISEPTIC HUNTOLENE, germ controller, Huntington Laboratories
ANVIL-PUMICE, toilet soaps, Los Angeles Soap Co.
APACHE, soap builder, Wyandotte Chemicals Corp.
APCO 125, deodorized, drycleaning solvent, Anderson-Prichard Oil Corp.
APCO 140, flash naphtha, Anderson-Prichard Oil Corp.
APCO-WATER SAVER, water regulator, Appliance Service Co.
APEX, automatic washer, Apex Electrical Mfg. Co.
APEX WASH-A-MATIC, 8-pound automatic laundry washer, Apex Rotarex Corp.
APPLEGATE, indelible ink (silver base), laundry marking pens, linen marking machine (hand, foot and motor power), Applegate Chemical Co.
APPLICET, powdered aluminum acetate, Arnold-Hoffman & Co., Inc.
AQUADOL, wet spotter and neutral lubricant, Stamford Chemical Co.
AQUA-ELECTRIC, water treatment equipment, Aqua Electric Scale Control, Inc.
AQUANOL, wire and cable, General Electric Co.
AQUASTEAM, pressing iron system, Automatic Steam Products Corp.
AQUAWAX, self-emulsifying lubricant wax, Concord Chemical Co.
ARABOL, starch, Arabol Mfg. Co.
ARBOGAST, system of condensate control, Southern Machinery Co.
ARBUTUS, soap, Minnesota Chemical Co.
ARCTIC, fire extinguishers, American-La France-Foamite Corp.
ARCTIC CRYSTAL, all-tallow soap and granulated flakes, Colgate-Palmolive Co.
ARCTIC SYNTEX, synthetic detergents, Colgate-Palmolive Co.
ARIDEX, renewable water repellent, E. I. du Pont de Nemours & Co., Inc.
ARIDZONE, zeolite water softener, Elgin-Refinite, Div. of Elgin Softener Corp.
ARISTOCRAT, safety pins, William Prym, Inc.
ARISTOCRAT, steel file cabinets, Remington Rand, Inc.
ARK-VAK, leather belting, Philadelphia Belting Co.
ARLAC, alkali, soap builder, Wyandotte Chemicals Corp.
ARMA, marking machines, daily delivery tags, loop tags, dispenser tags, day tags, safety pins, Pittsburgh Tag Co.
ARMEN "98," all purpose spotter, Armen Chemicals, Inc.
ARMITE, anti-seize compound, thread lubricant, joint seal compound, gasket paste, Armite Laboratories
ARMOFOS, sodium tripolyphosphate, anhydrous, A. R. Mass Chemical Div., Victor Chemical Works
ARMORBELT, metal belt conveyor, M-H Standard Co.
ARMORTUBE, pneumatic armored tubing, Bailey Meter Co.
ARMOUR, soaps and synthetics, Armour & Co., Industrial Soap Div.
ARMOWAX, domestic hard wax, Armour & Co.
ARMSTRONG, humidifiers, strainers, traps, Armstrong Machine Works
ARMS, 1270, nylon, wool press cloth, Arms Textile Mfg. Co.
ARRESTO-MOTH, mothproofing compound, Pennsylvania Salt Mfg. Co.
ARROW, sponge pads, Arrow Mfg. Co.
ARROW, staplers, staples, staple removers, gum tackers, Arrow Fastener Co., Inc.
ARROW, wood tanks, tubs, cylinders, outside shells, vats and washers, Arrow Tank Co., Inc.
ARROW LAUNDRO-PAD, laundry press pad, Arrow Mfg. Co.
ARROW LINE, hat renovating, manufacturing and blocking machinery, American Hatters Supplies, Inc.
ARROW LONG ARM, long-reach stapler, Arrow Fastener Co., Inc.
ARSECO, washing compounds and specialties, alcoholic type anti-freeze, Riverside Chemical Co.
ASBESTALL, blended nylon and asbestos press cloths, U. S. Rubber Co., Textile Div.
ASBESTEX, asbestos covers, X. S. Smith, Inc.
ASBESTON, chest-type flatwork ironer cover, U. S. Rubber Co., Textile Div.
ASHVEYOR, pneumatic conveyor system, Brady Conveyors Corp.
ASSEMBLY ARC, fittings to facilitate assembly of garments, Time Savers, Inc.
ASSISTEX, concentrated drycleaning soap, Takamine Laboratory, Inc.
ATEX, latex cement, Adhesive Products Corp.
ATLANTIC, non-sour blue, Beach Soap Co.
ATLAS, extractor, Troy Laundry Machinery Div., American Machine & Metals, Inc.
ATLAS, hand-type tape sealing machine, Time Savers, Inc.
ATLAS, truck bodies, Atlas Body Co.
ATLAS FIRE RETARDANT, flameproof agent, H. Kohnstamm & Co., Inc.
ATLAS GRAVITY FEEDER RACK, for flatwork ironers, Atlas Steel Products, Inc.
ATLAS MOISTURE CONTROL, for control of moisture retention in laundry extractors, Atlas Steel Products, Inc.
ATLAS RUST SOUR, sour, H. Kohnstamm & Co., Inc.
ATOMIC, drycleaning systems, wet washers, Hammond Laundry-Cleaning Machinery Co.
ATOMOL, drycleaning filter soap with antiseptic and mothproofing, A. F. Wolke Co.
ATTASOL, colloidal clay, Attapulgus Clay Co.
ATTORIS, fur glaze and cleaning fluid, Bernard Sirotta Co.
AUTOGRAPHIC, registers, business forms, Autographic Register Co.
AUTO-LEVEL, boiler return system, valves, Spotswood Parker & Co.
AUTO-LITE, gauges, indicating and recording thermometers, Electric Auto-Lite Co.
AUTOMATIC, lubricators, Victor Lubricator Sales Co.
AUTOMATIC, spray gun, OlsonMark Corp.
AUTOMATIC PALLET LOADER, automatic stacking of cartons, Lamson Corp., Blower Div.
AUTO-PER, synthetic solvent drycleaning unit, Vic Cleaning Machine Co.
AUTOSET, a type of free-vane air-operated controller, Bristol Co.
AXIAL-FLOW, exhaust fan, DeBothezat Fans Div., American Machine & Metals, Inc.
AXTEX, first quality, stiff mud firebrick, Mexico Refractories Co.
AZTEX, high heat duty firebrick, Mexico Refractories Co.

B

BCF, solvent cooler, Kewanee-Ross Corp.
B & G, conveyors, all types, and air-operated garment bagger, B & G Machinery Co., Inc.
B.N.B., collar support, clasp, loop, J. W. Steele & Co.
B. N. D., concentrated liquid drycleaning detergent, Brenda Products, Inc.
B. & W., boilers, Babcock & Wilcox Co.
B-X, bloodstain remover, John P. Lynch Co.
BABSOLV, spotter and lubricant, Slater-Robbins Co., Inc.
BABSTOD, concentrated drycleaning soap, Slater-Robbins Co., Inc.
BABTEX, lipstick and paint remover, Slater-Robbins Co., Inc.
BAB-ZYME, digester, Slater-Robbins Co., Inc.
BADER, pants stretcher, C. L. Bader Co., Inc.
BADER SOLVENT PURIFIER, process for cleaning solvent, C. L. Bader Co.
BADGER, break powder, Minnesota Chemical Co.
BADGER, liquid soap, Colgate-Palmolive Co.
BAFFLE-CRETE, first quality castable for baffle construction, Mexico Refractories Co.
BAG N' NET, holder, Time Savers, Inc.
BAG-O-MATIC, combined bagger, invoice desk, bag storage rack, G. H. Bishop Co.
BAG-O-TEER, garment bagger, G. H. Bishop Co.
BALANCED DRIVE, washers, Troy Laundry Machinery Div., American Machine & Metals, Inc.
BALSAM-WOOL, blanket insulation, Wood Conversion Co.
BANNER, lubricator, Lunkenheimer Co.
BANNER BRAND, button, buckle, pinking, fluting, pleating, darning machines, Maxant Button & Supply Co.
BANTAM, autographic registers, Autographic Register Co.
BANTAM, laundry washer, Troy Laundry Div., American Machine & Metals, Inc.
BANTAM, net, Southern Mills, Inc.
BARBER-COLMAN, electric door operators and controls, Barber-Colman Co.
BARCO, flexible steam, revolving and swing joints, Barco Mfg. Co.
BARCOL, overhead doors, Barber-Colman Co.
BARNEY, traps, Lakewood Mfg. Co.
BARRELED SUNLIGHT, enamels, paints, varnishes, Barreled Sunlight Paint Co.
BARRETT SPECIFICATION, roofing pitch and roofing felt, Barrett Div., Allied Chemical & Dye Corp.
BAR RUST, exterior and interior inhibitive paint for steel and pipe, Midland Paint & Varnish Co.
BASEX, zeolite, Hungerford & Terry, Inc.
BASKE TRUCK, wire basket truck, G. H. Bishop Co.
BEACHRITE, built soap, Beach Soap Co.
BEACON, bluing, Hood Chemical Co., Inc., Crescent Div.
BEATS-ALL, covers, nets, padding, Tingue, Brown & Co.
BEAVER, pipe and bolt cutting and threading hand tools and machines, Beaver Pipe Tools, Inc.
BEAVER LUSTER, fur luster, Nycco Products Co.
BEEHIVE, spring padding, Western Laundry Press Co.
BEL-JO, starch, A. E. Staley Mfg. Co.
BELLMASTER, mechanical pipe joint for cast-iron pipe, Dresser Mfg. Div., Dresser Industries, Inc.
BELT-ZIP, belt hanger, Para-Lux Products Co.
BENDA, drycleaning soap, Benda Products, Inc.
BENDASIZE, wet sizing, Benda Products, Inc.
BENDASIZE DRY, permanent dry sizing, Benda Products, Inc.
BENDA SOLV, oil paint and grease remover, Benda Products, Inc.
BENDA SPEED, heavy spotter for oil, paint and grease, Benda Products, Inc.
BENDA-ZYME, digester, Benda Products, Inc.
BENDIX, seamless flexible metal hose, Eclipse-Pioneer Div., Bendix Aviation Corp.
BENTEC, synthetic detergent, Wyandotte Chemicals Corp.
BENTON SOL-TEMP, solvent temperature control unit, Benton Bros.

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For manufacturers' addresses see MANUFACTURERS' list beginning page 296

BENZOCARDINOLE OXO, detergent, Apex Chemical Co., Inc.
BERGER, steel lockers, shelving, cabinets, bins, benches, desks and tables, Republic Steel Corp.
BERKSOL, drycleaning soap, Stadham Co., Inc.
BERKSTRIP, stripper, Stadham Co., Inc.
BERKSUDS, synthetic detergent, Stadham Co., Inc.
BERKZYME, spotter, Stadham Co., Inc.
BERLOU, mothproofing agent, Berlou Mfg. Co.
BERSENE, water softener, Bersworth Chemical Co.
BERSONITE, built soaps, Stadham Co., Inc.
BESLER, steam generators, superheaters, Besler Corp.
BESTEEL, straight pins, Fleischer Mills, Inc.
BEST FORMS, tag identification systems, Best Forms Co.
BESTO, synthetic wetcleaning detergent, Nu-Pro Mfg. Co.
BESTOS, asbestos covers, padding, Tingue, Brown & Co.
BESTWAY, drycleaning soap, Dello Products Co.
BEST YET, cellophane ribbon, cotton twines, New York Twine Corp.
BIFURCATOR, duct fan, DeBothezat Fans Div., American Machine & Metals, Inc.
BIG BOY, automatic tape sealing machine, Time Savers, Inc.
BIG CHIEF, laundry nets, Southern Mills, Inc.
BIG CHIEF, truck tires, Mohawk Rubber Co.
BIG CHIEF, wood washers, Illinois Laundry Machinery Mfg. Co.
BIG FLO, filters, Butler Mfg. Co.
BIG FOUR, firebrick, Mexico Refractories Co.
BIG 4, stripper, Eaton Chemical & Dyestuff Co.
BIG HORN, bentonite clay, Wyotana Mining Co.
BIG HORN WYOMING, colloidal clay, Wyotana Mining Co.
BIG INCH, pressure-sensitive tape dispensers, Better Packages, Inc.
BIGMOUTH, shake-out tumbler, Purkett Mfg. Co.
BIG SAVAGE, high heat duty firebrick, Mexico Refractories Co.
BIG SAVAGE SUPER, firebrick, Mexico Refractories Co.
BILLMYRE DRYSET, press, Lamson Corp.
BILVIS-X, detergent and soap builder, Warco Laboratories
BINKS, spray painting equipment, Binks Mfg. Co.
BIONOLS, germicides, General Dyestuff Corp.
BIOPALS, germicidal detergents, General Dyestuff Corp.
BISHOP, laundry and drycleaning appliances and light production equipment, G. H. Bishop Co.
BISONITE, plastic coating, Washine National Sands, Inc.
BLACK DIAMOND, roofing pitch and felt, Barrett Div., Allied Chemical & Dye Corp.
BLACK LINE, knitted padding, Minnesota Chemical Co.
BLACK MAGIC, pipe-sealing compound, gasket cement, Bowser, Inc.
BLACKMER, rotary hand and power pumps, Blackmer Pump Co.
BLANCH-STIK, stain remover, Keystone Aniline & Chemical Co., Inc.
BLANCO, all-fabric stripper, Keystone Aniline & Chemical Co., Inc.
BLENCO, rug cleaning sour, Blenco Co.
BLOK-RITE, sweater finishing process and machine, John P. Lynch Co.
BLOOD BLASTER, blood stain remover, Ro-Wash
BLOOD-I-CATER, spot remover, W. F. Johnson Products Co.
BLOOD-MUV, stain remover, Package Chemical Co., Inc.
BLOOD-PLUS, spotting aid, Ink-O Products Co.
BLO-R-VAC, water pickup cleaner-vacuum, Ideal Industries, Inc.
BLUD-X, concentrated liquid enzyme, Huntington Laboratories, Inc.
BLUE BELL, blue, H. Kohnstamm & Co., Inc.
BLUE BONNET, blue, H. Kohnstamm & Co., Inc.
BLUE-EDGE, aprons, wetwash bags, Lewis National Corp.
BLUE LABEL, tallow soap, Beach Soap Co.
BLUE LINE, collar supports, hangers, shirt bands, necktie hangers, Lorsco Industries, Inc.
BLUE RIBBON, laundry nets, Southern Mills, Inc.
BLUE RIBBON, polishes, waxes, International Metal Polish Co.
BLUE RIDGE, leather belting, waterproof leather belting, Charlotte Leather Belting Co.
BLUE STAR, feed ribbons, New York Belting & Packing Co.
BLUE STREAK, nylon nets, Whitehouse Nylon Products
BLUFIXE, sour, H. Kohnstamm & Co., Inc.
BLUFIXE EXTRA-SOLUBLE, sour, H. Kohnstamm & Co., Inc.
BLUREX, sour, Hood Chemical Co., Inc., Crescent Div.
BLU-TINT, sour and blue combination, Johnson Chemical Industries, Inc.
BLUTONE, liquid blue, E. F. Drew & Co., Inc.
BOCK, drycleaning, laundry extractors, Bock Laundry Machine Co.
BOILA KLEEN, boiler compound, Patek & Co.
BONASOL, textile dyeing assistants, American Aniline Products, Inc.
BOND, truck casters, Bond Foundry & Machine Co.
BONDERITE, corrosion-resistant paint, Tropical Paint & Oil Co.
BOND SET, silica base bonding mortar, Mexico Refractories Co.
BONIS, fur drum, fur sewing machine, Bonis Bros. Fur Machinery Corp.
BON-SPUN, nylon press covering, F. H. Bonn Co.
BON-TEX, nylon press covering, F. H. Bonn Co.
BON-TWIL, nylon press covering, F. H. Bonn Co.
BOOSTER, shirt unit, Unipress Co., Inc.
BORAX, soap dispensers and soap chips, Pacific Coast Borax Co.
BORGANA, boiler water treatment, Strong, Carlisle & Hammond Co.
BORI-BLUE, sour, Keever Starch Co.
BOROCHLOR, liquid bleach, H. Kohnstamm & Co., Inc.
BOSTAGS, marking tags, Boston Clip & Tag Co.
BOSTITCH, cuff tackers, stapling machine, staples, Bostitch, Inc.
BOW, collar support, Package Masters, Inc.
BOWSER, stills, filters, Bowser, Inc.
BOYERTOWN, special motor truck bodies, Boyertown Auto Body Works, Inc.
BRANFORD, oil burners, Malleable Iron Fittings Co.
BREADY, heat reclaimers, heat exchangers, storage and water heaters, Bready Engineering Corp.
BREAK-AID, solvent pine oil, Thompson-Hayward Chemical Co.
BREAK-O, break powder, Swift & Co.
BREAK-PHOS, soap regenerator, Thompson-Hayward Chemical Co.
BREAKSYN, break detergent, E. F. Drew & Co., Inc.
BREECH LOCK, cast-steel gate valves, Lunkenheimer Co.
BRESSLER, controls, Bressler Engineering Service
BREX, break compound, Procter & Gamble Distributing Co.
BRIDGEPORT, copper water tubing, Bridgeport Brass Co.
BRIGHTGLO, wetcleaning detergent, Merson Products Co.
BRILLIANTONE, sour, G. S. Robins & Co.
BRILLO, press pads, Brillo Mfg. Co., Inc.
BRINE-O-LATOR, water-softening equipment, Carey Salt Co.
BRISTO, multiple spline socket set screws, hollow head cap screws, Bristol Co.
BRISTOL, starch, H. Kohnstamm & Co., Inc.
BRISTOL'S, instruments, Bristol Co.
BRITE, paste drycleaning soap, Keystone Aniline & Chemical Co., Inc.
BRITE-WAL, cellophane and paper combination bags, Comet Envelope & Paper Co., Inc.
BRITEWHITE, laundry blue, Washine National Sands, Inc.
BRI-TEX, drycleaning soap, Diamond Chemical Co., Inc.
BRITEX, sours, powdered soap, Van Chemical Co.
BRI-TONE, drycleaning concentrate, Spix Products Co.
BRIZENE, drycleaning soaps, Patek & Co.
BROS, boilers, heaters, stokers, tanks, Wm. Bros Boiler & Mfg. Co.
BROWNELL, boilers, heat exchangers, stokers, Brownell Co.
BROX, dri-cut cardboards, Alfred J. Brooks
BROXFORMS, shirt boxes, Alfred J. Brooks
BRU-CEX, water conditioning, feeders and chemicals, Bruner Corp.
BRUNNER, air compressors, air conditioners, refrigeration condenser, Brunner Mfg. Co.
BRUSHENE, hand-brushing soap, Keystone Aniline & Chemical Co., Inc.
BRUSH-KLEEN, brushing soap, Adco, Inc.
BRUSH-OUT, liquid drycleaning soap, Caled Products Co., Inc.
BRYAN, boilers, Bryan Steam Corp.
BRYANT "COMMANDAIRE" TWINS, matched heating and air conditioning units, Bryant Heater Div., Affiliated Gas Equipment, Inc.
BRYANT CRYSTALGLAS, glass-lined water heater, Bryant Heater Div., Affiliated Gas Equipment, Inc.
BUBBLE RUB CONCENTRATE, upholstery shampooing soap, Keystone Chemical Co.
BUCKEYE, drycleaning washer, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
BUCKEYE, soaps, spotters, stain remover, suede leather dressing, water repellent, paint, oil and grease remover, rug and upholstery shampoo, Davies-Young Soap Co.
BUCKEYE CLEAN-CHARGE, drycleaning detergent, Davies-Young Soap Co.
BUCKEYE KLOR-LENE, spotter, Davies-Young Soap Co.
BUCKEYE LIQUA-BREAK, break and stain remover, Davies-Young Soap Co.
BUCKEYE WET SPOTTER, all-around wet spotter, Davies-Young Soap Co.
BUCKEYE ZYMATIC, digestive spotter, Davies-Young Soap Co.
BUFF, alkali compound, special detergents, E. F. Drew & Co., Inc.
BUFFALO, extractor, filter, still, Gross Machinery Co., Inc.
BULLDOG, nylon laundry nets, metal press pads, X. S. Smith, Inc.
BUMINOL, albuminous stains and blood remover, Spix Products Co.
BUNG, special brick for malleable furnaces, dry press, Mexico Refractories Co.
BUNN, bundle-tying machine, B. H. Bunn Co.
BURBAK, cotton padding, Pittsburgh Waterproof Co.
BURKS, boiler feed, condensation return feeds, turbine, centrifugal pumps and water system, Decatur Pump Co.
BUROMIN, boiler water treatment, Hagan Corp.
BURROUGHS, accounting, adding, bookkeeping, calculating, cash-registering machines, business machine supplies, Burroughs Adding Machine Co.
BUSSARD, spooled pants pocketing, collapsible extractor cover, R. D. Bussard & Son
BUS-TRUCK CHIEF, truck tires, Mohawk Rubber Co.
BUTLER, boiler water treatment, mechanical descaler, Butler Engineering Co.
BUTLER, complete drycleaning plant equipment, Butler Mfg. Co.
BUTLER STILL, solvent distillation unit, Butler Mfg. Co.
BUTONOLE, hub perforating dye tag, Boston Clip & Tag Co.
BUTTON-NO-BUTTON, loop and clasp, J. W. Steele & Co.

C

C. B., drycleaning detergent, Adco, Inc.
C-H, electrical equipment, Cutler-Hammer, Inc.
C-L, washers, extractors, Cummings-Landau Laundry Machinery Co., Inc.
CM, fire retardant, E. I. du Pont de Nemours & Co., Inc.
CM, ratchet lever, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
CMC FORMULA, sizing and finishing compound, Hercules Powder Co.
CMH, expansion joints, expansion bellows, flexible metal conduit, Flexonics Corp.
C & S, cleansing powder, Swift & Co.
CABINET, shirt unit, Prosperity Co., Inc.
CABINETROL, control panel equipment, General Electric Co.
CABINET-SAN, deodorant, Huntington Laboratories, Inc.
CADET, paper products, Cade Paper & Bag Corp.
CALDWELL, tank, W. E. Caldwell Co., Inc.
CALECO, drycleaning, laundry, starch extractors, wood laundry washer, wood cylinders, California Laundry Equipment Co.
CALED L-S, a liquid soap for drycleaning use, Caled Products Co., Inc.
CALGON, detergents, metaphosphate, rug cleaning and finishing compound, sizings, sodium metaphosphate, solvent, lime soap, water conditioners, chemical water softeners, Calgon, Inc.
CALLANET, knitted nylon nets, Callaway Mills, Inc.
CALROD, flatiron, General Electric Co.
CAL'S CHARGE, drycleaning detergent, Caled Products Co., Inc.
CALSILITE, pipe-covering blocks, Ruberoid Co.
CAL-SIZE, liquid or powder sizing, Caled Products Co., Inc.
CAL-SOAP, drycleaning soaps, Caled Products Co., Inc.
CAL-STRIP, liquid concentrated agent, Caled Products Co., Inc.
CAL-TEX, saponified oil-solvent blend with soap, Caled Products Co., Inc.
CAMELFORMS, laundry shells, Campbell Box & Tag Co.
CAMELTAGS, laundry tags, Campbell Box & Tag Co.
CAMEO, starch, A. E. Staley Mfg. Co.
CAMERON, pumps, Ingersoll-Rand Co.
CAMPBELL MICRONETIC, water and signal alarms, J. A. Campbell Co.
CANTON, stokers, steam generators, power plant equipment, Canton Stoker Corp.
CAPITAL, marking tags, U. S. Marking Tag Co.
CAPITAL, posters, streamers for window display, Capital Poster Service
CARBIDE METHANOL, alcohol, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
CARBITOL, solvent, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
CARBO, laundry chemical, Diamond Alkali Co.
CARBO-DUR, activated carbon, Permutit Co.
CARBONOT, insulators, General Electric Co.
CARBON-TET, synthetic cleaning fluid, E. I. du Pont de Nemours & Co., Inc.
CARBOSE CR, laundry washing compound, Wyandotte Chemicals Corp.
CARBOXIDE, fumigant, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
CARCOVAN, light truck body, Pacific Car & Foundry Co.
CARDOGRAPH, addressograph machine, Addressograph-Multigraph Corp.
CAREY, bathroom cabinets, Philip Carey Mfg. Co.
CAREYDUCT, asbestos cement pipe, Philip Carey Mfg. Co.
CAREY-SOTE, asbestos cement board, Philip Carey Mfg. Co.
CAREY'S SALT, salt tablets, dispensers, Carey Salt Co.
CARLTONITE, synthetic detergent laundry washing compound, Carlton Chemical Co., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

TRADE NAMES

CAR-NA-CRETE, rubber floor enamel, Continental Car-Na-Var Corp.
CAR-NA-LAC, self-polishing heavy-duty floor wax, Continental Car-Na-Var Corp.
CAR-NA-VAR, upholstery and carpet cleaning machine, liquid spirit wax requiring buffing, Continental Car-Na-Var Corp.
CAROVAN, truck bodies for use on Chevrolet or GMC chassis, Universal Sales, Inc.
CARRIER, industrial heating, refrigerating systems, Carrier Corp.
CARRY-PACK, package handle-sealer, Carry-Pack Co.
CARVER, centrifugal pumps, Carver Pump Co.
CASCADE, mechanical unloading washer, laundry washers, automatic washing control, American Laundry Machinery Co.
CASCADE, nets, H. Kohnstamm & Co., Inc.
CASH'S, woven names, labels, markers, tape, J. & J. Cash, Inc.
CASH STANDARD, valves, regulators, A. W. Cash Co., Inc.
CATERPILLAR, diesel engine, Caterpillar Tractor Co.
CAT TONGUE, press plate for wools, Davis Specialties, Inc.
CAU-FLAN, flannel cotton pads, X. S. Smith, Inc.
CAUSUL, metal gate valves and cocks, Lunkenheimer Co.
CEDAR SHIELDS, storage bags, paper, various grades and colors, Russenfoss Bag Co., Inc.
CEGLIN, finish for textiles, Sylvania Industrial Corp.
CELANESE, dyes, American Aniline Products, Inc.
CELA-SOL, paint remover, National Cleaners Chemical Mfg. Co.
CELATINT, tints for acetate yarn, American Aniline Products, Inc.
CELLO-SAVER, tape sealing machine for cellophane tape, Time Savers, Inc.
CELLOSIZE, sizing, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
CELLOSOLVE, solvent, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
CELLO-VU, cellophane bags, Time Savers, Inc.
CELOFORM, spotter, Keystone Aniline & Chemical Co., Inc.
CEMENTKOTE, heavy duty oil base cement paint, Tropical Paint & Oil Co.
CEN-TRA-VAC, centrifugal refrigeration compressor, Trane Co.
CENTURY, motors, generators, Century Electric Co.
CENTURY BRAND, sodium perborate, Eaton Chemical & Dyestuff Co.
CERTI-CIDE, demothing liquid, Certified Chemical & Equipment Co.
CERTIFIED, low-titer neutral soap flakes, Armour & Co.
CERTIFIED SOLID, neutral solid pack crutcher soap, Armour & Co.
CERTI-FOAM, upholstery cleaner, Certified Chemical & Equipment Co.
CERTI-LAVE, non-rinse rug shampoo, Certified Chemical & Equipment Co.
CETIC-X, odorless liquid sour, Warco Laboratories
C-30, drycleaning soap, Nu-Pro Mfg. Co.
CHACE, automatic washer valves, Chace Valve Div., American Laundry Machinery Co.
CHAINVEYOR, light capacity overhead power and manually operated conveyors, U. S. Spring & Bumper Co.
CHALLENGER, all types fire extinguishers, American-La France-Foamite Corp.
CHALLENGER, nylon laundry nets, Whitehouse Nylon Products
CHALLENGER, stokers, Link-Belt Co.
CHAMBERS, laundry and drycleaning extractors, Chambers Extractor Co.
CHAMP CLEANER, fur cleaner, Nycco Products Co.
CHAMPION, automatic tying machine, cable cord, Thomaston Mills
CHAMPION, Monel press pad, Resillo Co.
CHAMPION CASCADE, laundry washer, American Laundry Machinery Co.
CHANDLER, pleating, darning, button-sewing machines, fluters, thread, Chandler Machine Co.
CHARGIT, drycleaning detergent with chlorophyll, test kit, Nu-Pro Mfg. Corp.
CHASE, brass and copper products, Chase Brass & Copper Co.
CHASER, spot remover, Dello Products Co.
CHAT, detergent, General Aniline & Film Corp., Special Products Sales Div.
CHATILLON, scales, John Chatillon & Sons
CHEK-TAG, drycleaning identification system, Best Forms Co.
CHEMKLOS, work clothing, Mine Safety Appliances Co.
CHEM-O-FEEDER, constant rate proportioning pump, Proportioneers, Inc.
CHEMPUMP, centrifugal pump, Chempump Corp.
CHEVCO, belt cleaner, Samuel Chevlin Co., Inc.
CHEVROLET, motor trucks, Chevrolet Motor Div., General Motors Corp.
CHEX, laundry mildewproofing agent, Cidex Corp.
CHIC, sizing for wetcleaning, Patek & Co.
CHICAGO, laundry machinery, Chicago Dryer Co.
CHICO, alkali soap builder, Wyandotte Chemicals Corp.
CHIEF, truck tires, Mohawk Rubber Co.
CHIEF COMMERCIAL, truck tires, Mohawk Rubber Co.
CHIEF 20, handkerchief ironer, Huebsch Div., American Laundry Machinery Co.
CHIEF 25, handkerchief, napkin ironer, Huebsch Div., American Laundry Machinery Co.
CHIFFON, miniature bar soap, Armour & Co.
CHINALINE, quick-drying enamel, Barreled Sunlight Paint Co.
CHLORASOL, fumigant, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
CHLORESCO, bleach (calcium hypochlorite), Cowles Chemical Co.
CHLOREX, chlorinated solvent, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
CHLOR-O-CEL, sweetener, filter powder, Johns-Manville
CHLOR-O-FEEDER, constant rate proportioning pump, Proportioneers, Inc.
CHLOROWAX 40, liquid chlorinated paraffin, Diamond Alkali Co.
CHLOROWAX 70, resinous chlorinated paraffin, Diamond Alkali Co.
CHLOROWHITE, high phosphate laundry soap, New South Mfg. Co., Inc.
CHOCTAW, soap builder, Wyandotte Chemicals Corp.
CHROMALOX, electric heating equipment, Edwin L. Wiegand Co.
CHROMASOID, anti-corrosion tank lining compound, Fred H. Schaub Engineering Co., Inc.
CHROME CONCRETE, chrome base refractory concrete, Mexico Refractories Co.
CHROMIX, refractory material, Quigley Co., Inc.
CHROMOTEX, rug cleaning detergent, Endriss Chemicals, Inc.
CHRYSLER-AIRTEMP, furnaces, boilers, heaters, stokers, Chrysler Corp., Airtemp Div.
CIDEX, mildew preventative, deodorant, mothproofing agent, Cidex Corp.
CIMATAG, printed tags and marking tags, Cincinnati Marking Tag & Supply Co.
CIMCO, cement applied to inner surface of tank, Ford Tank Maintenance Co.
CINCH, prespotter, Caled Products Co., Inc.
CINO, carpet, laundry and drycleaning tags, black marking ink, Fleischer Mills, Inc.
CISSELL, boards, boiler feeds, boiler return systems, cuff brusher, driers, drycleaning and laundry tumblers, garment conditioners and sleeve finisher, irons, spotting units and boards, spray guns, W. M. Cissell Mfg. Co., Inc.
CLAIM-SAVER, F.W.I. bundle separators, F. H. Bonn Co.
CLAIRANESE, cover cloth, Lewis National Corp.
CLARCO, unit heaters, Clarage Fan Co.
CLARK, fluid controls, Clark Mfg. Co.
CLARK 60, traps, valves, Clark Mfg. Co.
CLAYBRITE, machine clay coated paperboard, Cornell Paperboard Products Co.
CLAYTON, steam generators, feed water pump, water heater, Clayton Mfg Co.
CLEAN CHARGE, drycleaning detergent, charge system, The Davies-Young Soap Co.
CLEANCUT, pinkers, Maxant Button & Supply Co.
CLEANSER 600, alkali cleanser, Solvay Process Div., Allied Chemical & Dye Corp.
CLEANSERTAG, marking tag material, Hollingsworth & Vose Co.
CLEARSIZE, laundry starch, National Starch Products, Inc.
CLEARTEX, laundry starch, National Starch Products, Inc.
CLEAR-VIEW, boxes, bags and cellophane products, Clear View Packaging Co.
CLEAVER-BROOKS, steam generators, boilers, Cleaver-Brooks Co.
CLENA-FORM NO. 2, cleaner, polisher and lubricator for shirt units and body presses, College Chemical Co.
CLEVELAND, rug and laundry machinery, Cleveland Rug Cleaning Machinery Co.
CLEVE-O-CEMENT, under-floor covering, resurfacing material, Midland Paint & Varnish Co.
CLIMAX, overall marking tags, Riadon Mfg. Co.
CLINTON, rug sizing, Clinton Foods Inc.
CLINTON 51, thick boiling starch, Clinton Foods Inc.
CLIP-A-TAPE, gummed-tape dispenser, Ideal Stencil Machine Co.
CLIPPER, belt-lacing equipment, belt cutters and fasteners, Clipper Belt Lacer Co.
CLIPPER, wire lacing, belt lacers, belt cutters, I. B. Williams & Sons
CLIX, belt organizer, Time Savers, Inc.
CLOMAK, balanced detergent, Wyandotte Chemicals Corp.
CLOPAY, hanger protectors, dress guards, Clopay Corp.
CLOPAY SANITEX, garment storage bags, Clopay Corp.
CLOR, bleach, Pennsylvania Salt Mfg. Co.
CLORAFIN, chlorinated paraffin, Hercules Powder Co.
CLOROSHEEN, drycleaning detergent, Riverside Mfg. Co.
COAGULATOR, rapid combination mixing chamber and settling basin, Hungerford & Terry, Inc.
COATES, electric boiler, Coates Electric Mfg. Co.
COAT-SEAL, interior wall coating, Steelcote Mfg. Co.
COBECO, leather belting, cement, Cornell Belting Co.
COCHECO, flat leather belting, belt cement, I. B. Williams & Sons
COCHIN SEB, solvent and synthetic wetting agent, E. F. Drew & Co., Inc.
COCHRANE, steam power plant equipment, Cochrane Corp.
COCOANUT OIL, paste soap, National Cleaners Chemical Mfg. Co.
COCOGEL, wetcleaning soap, E. F. Drew & Co., Inc.
COCOZOP, coconut oil, wetcleaning paste soap, Package Chemical Co., Inc.
COLCOT, press padding flannel, Southern Mills, Inc.
COLDSPRAY, built soap for cool-water washing, Beach Soap Co.
COLDWATER NAPTEX, laundry soap, E. F. Drew & Co., Inc.
COLD WATER OZONITE, cold-water soap, Procter & Gamble Distributing Co.
COLD WATER SOL SUDS, soap, Lewis National Corp.
COLE, leather and suede cleaners and dyers, Cole Leather Cleaners of America
COLGATE FORMULA 10, 20, 25, 33, 40, neutral soap flakes and granulated built soap, Colgate-Palmolive Co.
COLGATE KWIKSOLVE, laundry soap, Colgate-Palmolive Co.
COLLARIGHT, collar ironer, shirt-folding machine, Key-Tag Checking System Co.
COLLA-RITES, collar supports, M. H. Gronauer Co.
COLLARMASTER, collar pressing machine, U. S. Hoffman Machinery Corp.
COLOR BRITE, soap, Lewis National Corp.
COLOREX, stripping agent, Stauffer Chemical Co.
COLORFIXE, sour, H. Kohnstamm & Co., Inc.
COLORFLEX, leather dyes, Eaton Chemical & Dyestuff Co.
COLOR-GO, powdered stripping agent, A. L. Wilson Chemical Co.
COLORLUME, drycleaning soap, Fry Bros. Co.
COLORSOUT, powder color stripper, Washine National Sands, Inc.
COLOR SPARK, break powders, Wyandotte Chemicals Corp.
COLORSUDS, low-temperature soap, H. Kohnstamm & Co., Inc.
COLORTOP, plug fuses, Trico Fuse Mfg. Co.
COLORZOUR, sour, Washine National Sands, Inc.
COLOVOLT, fluorescent lamps, fixtures, General Luminescent Corp.
COLSON, wheels, casters, trucks, Colson Corp.
COLTEX, cold-water soap, medium pH, E. F. Drew & Co., Inc.
COLUMBIA, activated carbon, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
COLUMBIA, blindstitch machines, Columbia Sewing Machine Corp.
COLUMBIA, boilers, Columbia Boiler Co.
COLUMBIA, detergents, chemicals, Columbia-Southern Chemical Corp.
COLUMBIA, drycleaning extractors, used and rebuilt machinery, puff irons, valves, Columbia Laundry Machinery Co.
COLUMBIA, drycleaning unit, solvent saver, Columbia Appliance Corp.
COLUMBIA BF, puff iron, Columbia Laundry Machinery Co.
COLUMBIA GEM, extractor, Columbia Laundry Machinery Co.
COMBATT-C corrosion preventative, Adrian Research & Chemical Co.
COMBINATION, cellophane bags for shirts and sweaters, Clear-View Packaging Co.
COMBINATION OFFSET, silk finishing press, Excelsior Machinery Co.
COMBINER CLIPS, assembling clips, Larton Products Co., Inc.
COMBINETS, laundry nets and fabrics, Davis Mills, Inc.
COMBINO, ironer padding nets, Tingue, Brown & Co.
COMBO, combination checking desk, bag storage unit and garment bagger, Rodin Machinery Co., Div. Rodin Bros.
COMBUSTIONEER, automatic coal burner, humidifiers, Steel Products Engineering Co.
COMBY-R, laundry nets, Davis Mills Inc.
COMET, electric hoist, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
COMET, extractors, Hammond Laundry-Cleaning Machinery Co.
COMET, nylon nets, Gibraltar Fabrics, Inc.
COMET, washer, Henrici Laundry Machinery Co.
COMMANDER, steel framed platform hand trucks, Fairbanks Co.
COMMERCIAL, soap, Rome Soap Mfg. Co.
COMPACT, low-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.
COMPLETE, laundry soaps, Fry Bros. Co.
COMPO, fiber marking tags, Fleischer Mills, Inc.
COMPO, marking tags, U. S. Marking Tag Co.
COMPOUND 40, general formula spotter, Keystone Aniline & Chemical Co., Inc.
CONCO, stokers, Conco Engineering Works, Div. H. D. Conkey & Co.
CONDOR, hose, belting, rolls, Raybestos-Manhattan, Inc.
CONDO-VAC, return-line vacuum pumps for heating systems, Chicago Pump Co.
CON-D-TEX, mothproofing agent, Research Laboratories Corp.

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CONDUCTIVITY CONTROL, moisture control for charge system, R. R. Street & Co., Inc.
CONE, towels, diapers and gabardine twill, Cone Mills Inc.
CON-SECU-TAG, identification systems, invoice, combination, marking, and printed tags, Con-Secu-Tag, Inc.
CONSTELLATION, 2- and 3-girl shirt finishing units, Unipress Co.
CONTINENTAL, steam generators, Boiler Engineering & Supply Co.
CONTINENTAL 18, self-polishing heavy-duty liquid floor wax, Continental Car-Na-Var Corp.
CONTINUOUS FLOW, washer, Bill Glover, Inc.
CONTIN-U-RAIL, speed rail, White Machine Co., Inc.
CONTIN-U-VEYOR, automatic hanger and trolley conveyor, White Machine Co., Inc.
CONVAIR, converts foot press into air-operated press, New York Pressing Machinery Corp.
CONVENTIONAL ASSEMBLY, asbestos F. W. I. padding, Gibraltar Fabrics, Inc.
COOK EXTRACTETTE, pony extractor, Cook Machinery Mfg. Co.
COOK WASHETTE, open-end washers, Cook Machinery Co., Inc.
COOLAIR, fans, ventilating systems, American Coolair Corp.
COOLIDGE, pad savers, Ink-O Products Co.
COOLIDGE GRID, press pad, John E. Coolidge Co.
COOPER, pressing stands, bucks, tables, iron carriers, H. P. Cooper & Co.
COOPER-BESSEMER, compressors, diesel and gas engines, Cooper-Bessemer Corp.
COORDINATED PROCESS CONTROL, automatic control, Bristol Co.
COPALITE, interior varnish, Barreled Sunlight Paint Co.
COPR-TUBE, copper tube fittings, Dresser Mfg. Div., Dresser Industries, Inc.
CORONET, 72-pound drycleaning unit, Detrex Corp.
CORRUFLEX, expansion joint, American District Steam Co., Inc.
COTTAGE, steel direct-fired water heater, oil-gas, Kewanee Boiler Corp.
COTTONBLOSSOM, laundry textiles, Southern Mills, Inc.
COUNTERBOY, carton and package taping machine, Better Packages, Inc.
COUNTERFLOW, automatic 10-washer counterflow laundering unit, International Laundry Equipment Co.
COUNTERVEYOR, counting conveyor, Leebaw Mfg. Co.
COV-EEZ, garment hanger shields, Larton Products Co., Inc.
CRANE, plumbing fixtures, Crane Co.
CRAVASET, drycleaning sizing and finishing agent, Cravenette Co., U. S. A.
CRAVENETTE, water repellent, Cravenette Co., U. S. A.
CREAM FINISH, starch lubricant, Lewis National Corp.
CRESCENT, belt fasteners, plates, rivets, rivet extractors, Crescent Belt Fastener Co.
CRESCENT, laundry chemical specialty items, Hood Chemical Co., Inc., Crescent Div.
CRESCENT, try-cocks, Wright-Austin Co.
CRESTEX, sour, Hood Chemical Co., Inc., Crescent Div.
CROSBY, gauges, valves, Crosby Steam Gauge & Valve Co.
CROWN, electric-steam irons, steam generators, electric irons, Crown Mfg Co.
CROWN, laundry nets, Davis Mills Inc.
CRUCIBLE, stainless steel laundry equipment, Crucible Steel Co. of America
CRUSADER, nets, cover cloth, double-face flannel, cover duck, Egan Cotton Mills
CRYSTAL VICTOR, laundry starch, Keever Starch Co.
CRYSTAMET, sodium metasilicate, Cowles Chemical Co.
C/S DETERGENT, charged system detergent, Adrian Research & Chemical Co.
CUB JR., steam trap, Wright-Austin Co.
CUFF BRUSHER, rotary cuff cleaner, Excelsior Machinery Co.
CUFF TACKER, sewing machine, Chandler Machine Co.
CULLIGAN, water softening and conditioning equipment, Culligan Zeolite Co.
CUMMINGS-LANDAU, laundry equipment, Cummings-Landau Laundry Machinery Co., Inc.
CURRY, feed ribbons, J. W. Curry Co.
CURTIS, air conditioners, compressors, condensers, hoist, tanks, Curtis Mfg. Co.
CUSTOM, electric steam generators, Custom Engineering Co.
CUSTOM, shoulder finisher and shaper, Hopkins Equipment Co.
CUSTOM-AIR, large building heating and cooling equipment, Trane Co.
CUTLER-HAMMER, electrical equipment, motor control, Cutler-Hammer, Inc.
CYANEGG, sodium cyanide, E. I. du Pont de Nemours & Co., Inc.
CYCLO, heavy prespotter, R. R. Street & Co., Inc.
CYCLONE, exhaust head, Wright-Austin Co.
CYCLONE, hand power hoist, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
CYCLONE, washer, Henrici Laundry Machinery Co.
CYCLONE CONVEYORS, pneumatic conveyors, Eastern Cyclone Conveyor Systems, Inc.
CYCLONE COUNTING MACHINES, automatic counters for towels, diapers, etc., Eastern Cyclone Systems, Inc.
CYCLOPS, needle bearing, Roller Bearing Co. of America
CYCLOTHERM STEAM GENERATORS, package type boiler, automatic oil or gas fired, Cyclotherm Div., U. S. Radiator Corp.
CYLON, wetcleaning detergent, Patek & Co.

D

DA-CO, chemicals, cleaners, Davis-Weil Mfg. Co.
DAHLBERG, speed-rail equipment and parts, automatic overhead screw conveyor, storage racks, Dahlberg Machinery Co.
DAILY DELIVERY, marking tags, Pittsburgh Tag Co.
DAINTEX, wetting agent, Hercules Powder Co.
DAMASCITE, ferrous-base machine parts, Amplex Div., Chrysler Corp.
DAMIT, pipe joint compound, Quigley Co., Inc.
DAMP-TEX, enamel, Steelcote Mfg. Co.
DANDUX, canvas baskets, hampers, bags, trucks, C. R. Daniels, Inc.
DARCO, activated carbon, Darco Dept. (Atlas Powder Co.)
DARNELL, wheels, casters, Darnell Corp.
DATERETTE, dating machine, American Numbering Machine Co.
DATEX, dacron F. W. I. cover, Gilbraltar Fabrics, Inc.
DAVIS, controls, regulators, valves, Davis Regulator Co.
DAVIS, first-aid and emergency equipment, Davis Emergency Equipment Co., Inc.
DAVIS, press plates, flexible metal hose, Davis Specialties, Inc.
DAVIS, overall tags, Keyes-Davis Co.
DAVIS, shirt unit, Prosperity Co., Inc.
DAVIS NETS, laundry nets, Davis Mills Inc.
DAVIS OVERALL TAG, brass permanent marker, Keyes-Davis Co.
DAVIS TAG, permanent overall marker, Keyes-Davis Co.
DAVIS Z, laundry net, Davis Mills Inc.
DAVOTEX, leather cleaning and redyeing, C. O. D. Cleaning & Dyeing Co.
DAY-SOL, chlorinated solvent drycleaning soap, Davies-Young Soap Co.
DC-15, size for synthetics, for drycleaners, Keever Starch Co.
DC FILTROL, adsorbent filter powder, Filtrol Corp.
DEAN HILL, centrifugal industrial power pumps, steam turbines, Dean Hill Pump Co.
DECAL, water softener, Washine National Sands, Inc.
DECALCOMANIA, truck lettering, pictorials, nameplates, window signs and valances, Meyercord Co.
DEFENDER, regulators, recording instruments, Defender Instrument & Regulator Co.
DEFENDER, steel pins, safety pins, hanger assembly clips, Oakville Div., Scoville Mfg. Co.
DEFLOC, laundry detergent, Cowles Chemical Co.
DEHYDRATINE 2A, water repellent, A. C. Horn Co., Inc.
DELIBLE, dissilves indelibles, Warco Laboratories
DE-LIMER, lime solvent, E. F. Drew & Co., Inc.
DELIVR-ALL, delivery truck, Marmon-Herrington Co., Inc.
DELLOSOPE, drycleaning soap, Dello Products Co.
DELUXE, sizing, Huron Milling Co.
DE LUXE, uniforms, Shane Uniform Co., Inc.
DELUXE MIRZA, automatic rug cleaning machine, American Laundry Machinery Co.
DE LUXE STRING, cord, Milwaukee Printed string Co.
DEMING, pumps, Deming Co.
DEMOTHOL, mothproofing solution, Signal Chemical Mfg. Co.
DENOMINATOR, tabulating machines, Denominator Company, Inc.
DEODOR, deodorant, Patek & Co.
DESOIL, break powder, Cowles Chemical Co.
DE SOLV, oil, paint and grease spotter, Benda Products, Inc.
DESTAINER, penetrating soap, A. L. Wilson Chemical Co.
D'ESTE, automatic regulating valves, strainers, etc., D'Este Div., Kaye & MacDonald, Inc.
DETECTO, scales, Detecto Scales, Inc.
DETERSYN, detergent for use with chlorinated solvents, Riverside Mfg. Co.
DETEX, watchmen's clocks, Detex Watchclock Corp.
DETREX, drycleaning equipment, solvent still, Detrex Corp.
DETROIT, belt lacers, belt cutters, Detroit Belt Lacer Co.
DETROIT, valves, W. M. Chase Co.
DEVILBISS, compressors, spray guns, hose, DeVilbiss Co.
DEWEY-SHEPARD, gas and oil fired boilers and water heaters, base-panel radiation, winter-summer air conditioner, Dewey-Shepard Boiler Co.
DEXCO, flatwork ironer cover cloth, Whitehouse Nylon Products
DIAL, miniature bar soap, Armour & Co.
DIAL-MASTER, automatic washer control, Norman Control Co.
DIAL-O-TIMER, laundry formula timer, Norman Control Co.
DIAMO, stripper, stain remover, Lewis National Corp.
DIAMOND, ball, revolving and swing joints, Diamond Metal Products Co.
DIAMOND, chains, couplings, Diamond Chain Co., Inc.
DIAMOND, knitted nylon nets, Whitehouse Nylon Products
DIAMOND, laundry chemicals, Diamond Alkali Co.
DIAMOND, water-treatment compounds, Oshkosh Filter & Softener Co.
DIAMOND, wire garment hanger, Diamond Wire Hanger Co.
DIAMOND BLUE, laundry bluing, Diamond Alkali Co.
DIAMOND DRYCLEANER, chlorinated cleaning solvent, Diamond Alkali Co.
DIAMOND O & W COMPOUND, detergent, Diamond Alkali Co.
DIAMOND T, motor trucks, Diamond T Motor Car Co.
DIAMOND "W", laundry soaps, Los Angeles Soap Co.
DIASAN, diaper sanitizer, H. Kohnstamm & Co., Inc.
DIAZOCEL, for dyeing Celanese and acetate silks, American Aniline Products, Inc.
DIAZYME, enzymic digester, Jacques Wolf & Co.
DICALITE 7, filter powder, Dicalite Div., Great Lakes Carbon Corp.
DICALITE SPEEDPLUS, straight diatomaceous filter powder, Dicalite Div., Great Lakes Carbon Corp.
DICALITE SWEETENER, sweetener, filter powder, Dicalite Div., Great Lakes Carbon Corp.
DIEHL, electric motors, fans, Diehl Manufacturing Co., Div. Singer Mfg. Co.
DI/EN, digester, John P. Lynch Co.
DIGESTALL, digestive agents, Package Chemical Co., Inc.
DIGESTIT, enzymic digester, Riverside Mfg. Co.
DIGEST-O-MATIC, bath tank, Hopkins Equipment Co.
DIPCRAFT, advertising balloons, Dipcraft Mfg. Co.
DISAPPEARO, spotting compound, Fry Bros. Co.
DISCOVERY, handkerchief fluffer, Huebsch Mfg. Co., Div. American Laundry Machinery Co.
DI-SOLVENT, diluent for leather dyes, Nu-Pro Mfg. Co.
DISPERSO, silk and wool drycleaning soap, Spix Products Co.
DIS-PER-SOL, break powder, Thompson-Hayward Chemical Co.
DISPLAY-IT, shirt display cases, Time Savers, Inc.
DISTILLENE, drycleaning soap, Keystone Aniline & Chemical Co., Inc.
DIVCO, delivery vehicles, Divco Corp.
DIX-E-HOLD, hangers, Marion Mfg. Co.
DIXIE, aprons, Minnesota Chemical Co.
DIXIE, laundry nets, Southern Mills, Inc.
DIXIE, tags, tapes, trouser guards, collar supports, Dixie Hanger Co.
DIXO, detergents, drycleaning soaps, grease, oil and paint remover, wetcleaning soap, Dixo Co.
DIXON STEAM KING, Scotch marine boiler, Dixon Boiler Works
DIXON WATERFALL, Scotch marine boiler, Dixon Boiler Works
DIZOLV-IT, oil remover, Kliegman Bros., Inc.
DO-ALL, built anionic, synthetic detergent, Armour & Co.
DOBBY, mothproofing concentrate, Jay-Dee, Inc., Mfg. Chemists
DOCTOR BOILER, boiler water treatment compound, Doctor Boiler, Inc.
DODGE JOB-RATED TRUCKS, motor trucks, Dodge Div., Chrysler Corp.
DODSON, business insurance, Bruce Dodson & Co.
DOG TEX, treatment for cat and dog stains, Hild Floor Machine Co.
DORAN, hat machinery, Hatters Supply House, Inc.
DOUBLE CHECK, zeolite water softener, Elgin-Refinite, Div. of Elgin Softener Corp.
DOUBLE DUTY SOUR, sour and blue combination, Diamond Alkali Co.
DOUBLE-VALVE, blanket brusher, American Laundry Machinery Co.
DOUBLEWEAR, apron duck, cover cloth, nets, Lewis National Corp.
DOUGLAS, corn starch, thin boiling starch, Penick & Ford Ltd., Inc.
DOVER DYPERCAN, deodorized diaper container, Dover Stamping Co.
DOWCLENE, synthetic cleaning solvent, Dow Chemical Co.
DOWFUME, fumigant, Dow Chemical Co.
DOW-PER, synthetic solvent, perchlorethylene, Dow Chemical Co.
DRAIN-DRI, cellar drainers, Yeomans Bros. Co.
DRAINTROL, condensation drainage device, Fred H. Schaub Engineering Co., Inc.
DRAPER-EZE, blanket and drapery steam-air finisher, Draper-Eze Equipment Co.
DRAPER-FORM, drapery steam finisher, Kleen Hamper, Inc.
DRES'N'SPORT, dress and sport shirt folding machine, G. H. Bishop Co.
DRESSER, clamps, couplings, fittings, Dresser Mfg. Div., Dresser Industries, Inc.

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TRADE NAMES

DREST, paste type leather finisher, Caled Products Co., Inc.
DREW, ironer oil, E. F. Drew & Co., Inc.
DREW 90 PLUS POWDER, soap plus medium pH alkali builder and water conditioner, E. F. Drew & Co., Inc.
DREX-KLEEN, carbon tetrachloride solvent, Detrex Corp.
DRI-BORD, steam-heated press boards, Kisco Boiler & Engineering Co.
DRI-BRITE GLOSS, fur luster, Nycco Products Co.
DRI-CLOR, dry-to-the-wheel bleach, Pennsylvania Salt Mfg. Co.
DRICO, air cleaners, filters, separators, strainers, Drico Industrial Corp.
DRIEX, water-soluble water repellent, Keystone Aniline & Chemical Co., Inc.
DRI-FLO DIPIT, indelible laundry and drycleaning marking set, Dri-Flo Mfg. Co.
DRI-HAND, dampener and moisture regulator, J. W. Steele & Co.
DRI-RINSE, drycleaners' sour, Johnson Chemical Industries, Inc.
DRISEAL, shirt bands, Driseal Co.
DRI-SHEEN, alkaline detergent, Adco, Inc.
DRI-SHEEN PROCESS, charged system method of cleaning, Adco, Inc.
DRISIZE, synthetic resin sizing for use in petroleum solvent, Eaton Chemical & Dyestuff Co.
DRI SPOT, volatile dry spotter, Benda Products, Inc.
DRI-STEAM, air cleaners, filters, separators, strainers, valves, Drico Industrial Corp.
DRISUDZ, laundry alkaline soap, Cowles Chemical Co.
DRISYN, drycleaning detergent, E. F. Drew & Co., Inc.
DRIZYN SPOTTERS, paint, oil, grease, lipstick spot removers, E. F. Drew & Co.
DRI-TEX, drycleaning detergents, Spix Products Co.
DRITHERM, infra-red heat lamps, North American Electric Lamp Co.
DRI-TOP, ironing board, G. H. Bishop Co.
DRI-TRI, anhydrous trisodium, A. B. Maas Chemical Co., Div. Victor Chemical Works
DRO-GO, spotting agent, A. L. Wilson Chemical Co.
DR. SPOTGESTER, prespotter, Dello Products Co.
DRUCLOR, powdered hypochlorite bleach, E. F. Drew & Co., Inc.
DRUM MASTER, fur cleaning drum, Walter Haertel Co.
DRUMMOND, soaps, oils, detergents, Standard Soap Co. of Camden
DRUSOAP H, high-titer neutral soap, E. F. Drew & Co., Inc.
DRUSOAP P, high-titer 98% neutral soap, E. F. Drew & Co., Inc.
DRUZOL, heavy-duty detergent, E. F. Drew & Co., Inc.
DRY BRIGHT, liquid wax for floors, Riverside Chemical Co.
DRY CHEMICAL, fire extinguishers, American-La France-Foamite Corp.
DRYCLEAN, spot remover, E. I. du Pont de Nemours & Co., Inc.
DRYCO, spotting units, finishing equipment and steam condensers, Dryco Div., G. H. Bishop Co.
DRYCOMATIC, steam-electric iron, Dryco Div., G. H. Bishop Co.
DRYERETTE, driers, hot air, gas-fired, Hoyt Mfg. Co.
DRYETTE, water repellent, Cravenette Co., U. S. A.
DRYGESTER, dry spotter, Smith Bros. Co.
DRY MASTER, clothes tumbler, National Dryer Mfg. Co.
DRYMASTER, drying cabinets, Hopkins Equipment Co.
DRY-O-MATIC, signal and alarm control for tumblers, Rosenthal Mfg. Co.
DRY-O-WET, spot remover, Slater-Robbins Co. Inc.
DRYSET, vacuum systems, Lamson Corp., Blower Div.
DUAL, steam traps, American District Steam Co., Inc.
DUALCRAFT, press pads, Padcraft Corp.
DUAL-DUTY TAG-O-LECTRIC, tag-marking and attaching machine, Textile Marking Machine Co., Inc.
DUAL FILM-a-RECORD, micro-filming machine, Remington Rand, Inc.
DUBLECOTE MULTI-SHINGLES, asphalt roofing shingles, Barrett Div., Allied Chemical & Dye Corp.
DUBLIFE, replacements for collars, cuffs, neckbands and trouser pockets, Dublife Collar Co.
DUCO, finishes, E. I. du Pont de Nemours & Co., Inc.
DUFFEL, laundry nets, Southern Mills, Inc.
DUKE, trouser guards, suit, dress and drape hangers, Pittsburgh Hanger Co., Inc.
DULUX, finishes, E. I. du Pont de Nemours & Co., Inc.
DUO, doublewing collar support, Time Savers, Inc.
DUO-MATIC, washer extractor, Prosperity Co., Inc.
DUO-NYL, expander pad covers, F. H. Bonn Co.
DUO-TEX CONC, drycleaning soap, Keystone Aniline & Chemical Co., Inc.
DUO-WHITE, powdered bleach, Duo-White Co.
DUPLEX, shirt transporter, Time Savers, Inc.
DUPLEX, vacuum cleaner, General Electric Co.
DUPLEX-SLEEVE, expansion joint, American District Steam Co., Inc.
DUPONOL, fatty alcohol sodium sulfate, E. I. du Pont de Nemours & Co., Inc.
DURABILT, laundry and drycleaning washer, Gardner Machinery Corp.
DURABLE, wire pressboard for velvet and nap fabric materials, American Pressboard Co.
DURACAL, covers and padding combinations, Patek & Co.
DURAFLEX, stokers, Canton Stoker Corp.
DURAVAN, truck bodies for use on Dodge chassis, Universal Sales, Inc.
DURO, blow-off valve, Lunkenheimer Co.
DURO, press covers, R. Lally Co.
DUROIL, fiber sheet packing, Raybestos-Manhattan, Inc.
DUROTEX, press covers, R. Lally Co.
DUST-PROOF, sweeping compound for floors, Riverside Chemical Co.
DUST STOP, air filters, Owens-Corning Fiberglas Corp.
DUTCH-MILL, diaper and diaper can deodorants, Van Chemical Co.
DU-TEX, stain remover, Warco Laboratories
DUTTON, boilers, pumps, Hapman-Dutton Co., Dutton Boiler Div.
DUX COTE, water repellent, Eaton Chemical & Dyestuff Co.
DUX-IT, solvent-soluble water repellent, Keystone Aniline & Chemical Co., Inc.
DWYER, gauges, indicators, meters, F. W. Dwyer Mfg. Co.
DYCO-SIZE, garment retexturing compound, Davies-Young Soap Co.
DYDROSITE, stripping agent, Nu-Pro Mfg. Co.
DYE PADS, pads for "spot dyeing," Caled Products Co., Inc.
DYNA-MATIC, open-end washer, Hammond Laundry-Cleaning Machinery Co.
DYNAMIC DUMPER, unloading washer, Miller Laundry Machinery Co.
DYNASOPE, concentrate, drycleaning filter soap with antiseptic and mothproofing, A. F. Wolke Co.
DYO-FLEX, dyes, finishes for leather, Dyo Chemical Co.
DY-100, liquid drycleaning soap, Davies-Young Soap Co.
DYPERCAN, sanitary diaper cans, Dover Stamping Co.
DYSCO, wetcleaning silk and wool soap, Davies-Young Soap Co.
DYSOLVO, soap, Davies-Young Soap Co.
DY-SULPH, synthetic wetcleaner, Davies-Young Soap Co.
DYTINT BLUE, bluing for use in washing machines, North American Dye Corp.
DYTINT DYE, dye for use in washing machines, North American Dye Corp.
DYWHITE, whitener for use in washing machines, North American Dye Corp.

E

EFTT, electric power fork truck, Lewis Shepard Products, Inc.
E-Z, drycleaning soap, Dello Products Co.
EAGLE, oilers, oil and gasoline containers, Eagle Mfg. Co.
EASTON, woven cotton belting, Victor Balata & Textile Belting Co.
EASY, vertical and horizontal solvent pumps, exhaust fans, Easy Industries
EASY-ON, wood strut hanger, Nagel Coat Hanger Co.
EASY PRESS, manually operated drycleaning press, Goldman Pressing Machine Corp.
EASY-TO-SEW, replacement collars, Zuckerberg Corp.
ECCO, blues, ironer oil, spot removers, repellents, prespotters, tints, soaps, Eaton Chemical & Dyestuff Co.
ECCODUX, water repellent, Eaton Chemical & Dyestuff Co.
ECCOFORM, spot remover, Eaton Chemical & Dyestuff Co.
ECCO KOBO, odor neutralizer, Eaton Chemical & Dyestuff Co.
ECCOSIZE, textile finish, Eaton Chemical & Dyestuff Co.
ECLIPSE PIONEER, flexible metal hose, Eclipse Pioneer Div., Bendix Aviation Corp.
ECO, hand cream, Davis Emergency Equipment Co., Inc.
ECO, watchmen's clocks, Detrex Watchclock Corp.
ECONO, drycleaning soap, Package Chemical Co., Inc.
ECONO, sour, Diamond Alkali Co.
ECONO, synthetic solvent drycleaning unit, Vic Cleaning Machine Co.
ECONO-CAL, drycleaning detergents, Caled Products Co., Inc.
ECONOFEED, boiler feed pump and condensate return system, Hapman-Dutton Corp., Dutton Boiler Div.
ECONOMASTER, boiler, Hapman-Dutton Co., Dutton Boiler Div.
ECONO-MATIC, drycleaning unit, Prosperity Co., Inc.
ECONOMIC, boilers, Erie City Iron Works
ECONOMIST, boiler, Hapman-Dutton Co., Dutton Boiler Div.
ECONOMITE REGISTERS, autographic registers, Autographic Register Co.
ECONOMIZER, boiler, Hapman-Dutton Co., Dutton Boiler Div.
ECONO MOISTLESS, paper bands, Economy Tablet & Paper Co.
ECONOMY, drycleaner's bag, Diem & Wing Paper Co.
ECONOMY, hanger bar covers, Phoenix Products Co.
ECONOMY, marking pins, Keyes-Davis Co.
ECONOMY MODEL PARIS, steam-air garment finisher, Garment Finishing Equipment Corp.
ECONO-PAK, small-order register, Econo-Pak Register Co.
ECONO-PER, cold synthetic drycleaning unit, Vic Cleaning Machine Co.
ECONO-SCOOP, steel weighing hand scoop, Blenco Co.
ECONOTHERM, steam boilers, Hapman-Dutton Co., Dutton Boiler Div.
EFELO, finishing equipment, Draper-Eze Equipment Co.
EGAN, ironer and press padding, feed ribbons, Egan Cotton Mills
EGRY ELITE, register, business system, Egry Register Co.
8-A, synthetic drycleaning unit, Prosperity Co., Inc.
1838, marking ink, liquid laundry blue, Eaton Chemical & Dyestuff Co.
886, strong soap formula, R. R. Street & Co., Inc.
EJEX, wetcleaning soap, Dello Products Co.
ELAINE, red oil (oleic acid), Emery Industries, Inc.
ELANITE, laundry soaps, Los Angeles Soap Co.
ELASTIGUM, roof cement, roof coating, Barrett Div., Allied Chemical & Dye Corp.
ELCCO, drycleaning presses, press head cleaners, puffers, spotting boards and tables, valves, Intercontinental Mfg. Co., Inc.
ELCONITE, standard greensand zeolite, Elgin-Refinite, Div. of Elgin Softener Corp.
ELECTRO, water conditioner, Stomac Engineering Co., Inc.
ELECTROFLUID, motorized hydraulic drive, Link-Belt Co.
ELECTRO LIFT, hoists, Electro Lift, Inc.
ELECTROMANUAL, washer, Troy Laundry Machinery Div., American Machine & Metals, Inc.
ELECTROMATIC, washer, Troy Laundry Machinery Div., American Machine & Metals, Inc.
ELECTRO-MEND, mending machines and tabs, Simmons Machine Co.
ELECTRO NEUTRALIZER, water-conditioning apparatus for steam boilers, Electro Chemical Engineering Co., Inc.
ELECTRUNITE, stainless steel tubing, Republic Steel Corp.
ELGIN, water softening and conditioning equipment and chemicals, water filters, Elgin-Refinite, Div. of Elgin Softener Corp.
ELITE, ironer covercloth, Tingue, Brown & Co.
ELITE TRU-PAK, autographic register, Egry Register Co.
ELLIOTT, addressing machines, Elliott Addressing Machine Co.
ELLIS, laundry machinery, Ellis Drier Co.
ELMO, stripper, A. L. Wilson Chemical Co.
ELNA, sewing, mending machine, Mark-O Corp.
EMERALD, felt, flannel, Pittsburgh Waterproof Co.
EMERSOL, stearic acid, Emery Industries, Inc.
EMPIRE, firebrick, A. P. Green Fire Brick Co.
EMPIRE, steam traps, American District Steam Co., Inc.
EMULSIVE, wheat starch, Keever Starch Co.
ENDOR, steam tumbler, Hammond Laundry-Cleaning Machinery Co.
ENDURO, coil-spring press pad, Zeidler Mfg. Co.
ENDURO, stainless steel, Republic Steel Corp.
ENERGETIC, wetcleaning synthetic detergent, Armour & Co.
ENERGEX, drycleaning detergent, Pennsylvania Salt Mfg. Co.
ENERGY, gas-fired air heater for drycleaning equipment, Norman Control Co.
ENGINAIR, compressor, Westinghouse Air Brake Co., Industrial Products Div.
ENZYMERSE, enzymic digester, George E. Mead Co.
EOSOL, paint, oil and grease remover, Krasan Products, Inc.
ERAD-INK, ink remover, A. L. Wilson Chemical Co.
ERADOL, color stripper, National Cleaners Chemical Mfg. Co.
ERASINE, ink remover, Lewis National Corp.
ERIE CITY, boilers, underfeed stokers, Erie City Iron Works
ERIFON, flame retardant, E. I. du Pont de Nemours & Co., Inc.
ERMCO, rug conveyor and equipment, American Laundry Machinery Co.
ERMINE, starch, Washine National Sands, Inc.
ERUSTICATOR, rust stain remover, Pennsylvania Salt Mfg. Co.
ERUSTO, spot and stain remover, dry and wetcleaning soaps, laundry sour, Pennsylvania Salt Mfg. Co.
ERUSTO-CETIC, sour for wetcleaning, Pennsylvania Salt Mfg. Co.
ERUSTOCIDE, laundry sour, Pennsylvania Salt Mfg. Co.
ERUSTO DDT EMULSION, insecticide, Pennsylvania Salt Mfg. Co.
ERUSTO ENERGEX, drycleaning products, Pennsylvania Salt Mfg. Co.
ERUSTOLIN, laundry sour, Pennsylvania Salt Mfg. Co.
ERUSTO LIQUI-BLUE, laundry blue, Pennsylvania Salt Mfg. Co.

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ERUSTO-MAX, laundry sour, Pennsylvania Salt Mfg. Co.
ERUSTO-RAY, laundry sour, Pennsylvania Salt Mfg. Co.
ERUSTO SALTS, laundry sour, Pennsylvania Salt Mfg. Co.
ERUSTOSOL, laundry sour, Pennsylvania Salt Mfg. Co.
ESCO, high pH soap builder, Cowles Chemical Co.
ESCOFOS, soap regenerator, Cowles Chemical Co.
ESCOLITE, medium pH soap builder, Cowles Chemical Co.
ESCOLLOID, medium pH soap builder, Cowles Chemical Co.
ESCOL 77, high pH soap builder, Cowles Chemical Co.
ESCOMO, liquid blue, Cowles Chemical Co.
ESCO-SAVON, hot-water soap (east of Rockies only), Cowles Chemical Co.
ESPECCO, solvent, starches, Superior Products Co.
ESSO BOND, air-setting, high-temperature cement, Ramtite Co.
ETERNIT, asbestos-cement sheets for roofs and sidewalls, Ruberoid Co.
ETERNIUM, pitch base paint, Barrett Div., Allied Chemical & Dye Corp.
ETHRO, rug and carpet shampoo, North Coast Chemical & Soap Works
EULANS, mothproofing agents, General Dyestuff Corp.
EURECO, ventilating system, Eure & Co.
EUREKA, belt dressing, Standard Oil Co.
EUREKA, marking pins, Keyes-Davis Co.
EUREKA, wetcleaning laundry powder, North Coast Chemical & Soap Works
EVALPAK, valve packing, Edward Valves, Inc., Subsidiary Rockwell Mfg. Co.
EVALTHRUST, valve bushings, Edward Valves, Inc., Subsidiary Rockwell Mfg. Co.
EVAPO-GAS, fumigant, Nycco Products Co.
EVERDUR, copper silcon alloy, American Brass Co., American Metal Hose Branch
EVERLASTIC, roofing, Barrett Div., Allied Chemical & Dye Corp.
EVER-LITE, lighting fixtures, Ever-Lite Co.
EVER MOIST, dampening device, Time Savers, Inc.
EVER-MOIST, nylon containers, F. H. Bonn Co.
EVERREADY, hat and garment boxes, Automatic Paper Box Corp.
EVERWEAR, double-face padding, Tingue, Brown & Co.
EVRTYTE, steel valves, Strong, Carlisle & Hammond Co.
EWART, detachable link belt chain, Link-Belt Co.
EWING PONY, wood pony laundry washer, R. Ewing & Sons, Inc.
EXACTO, pre-numbered marking tags, hanger racks, loop assembly hooks, clips, belt wheel, rack dividers, Perfection Products Co. & Identification, Inc.
EXCELAL, starch finish, Eaton Chemical & Dyestuff Co.
EXCELL-O, cellophane tying ribbon, Freydberg Bros.-Strauss, Inc.
EXCELSIOR, hatters' and steam spotting, finishing equipment, Excelsior Machinery Co.
EX-GO, stain remover, A. L. Wilson Chemical Co.
EXHAUSTEAM, steam purifier, Morehead Manufacturing Co.
EXIDE, storage batteries, Electric Storage Battery Co.
EXIDUST, industrial vacuum cleaners, Lamson Corp., Blower Div.
EXPANDO, collar supports, Time Savers, Inc.
EXPELSOR, pneumatic sewage ejector, Yeomans Bros. Co.
EXSIZE-T, starch-removing desizing agent, Pabst Brewing Co., Industrial Products Div.
EX-SOIL-O, drycleaning soap, Davies-Young Soap Co.
EXTRACTETTE, extractor, Cook Machinery Co., Inc.
EXTRACTING WASHER, washing and extraction in one operation, Butler Mfg. Co.
EXTRA SOLUBLE COLORFIXE, sours, H. Kohnstamm & Co., Inc.
EXTRON, drycleaning washer extractor units, U. S. Hoffman Machinery Corp.
EXZYME, enzymic spotting agent. Pabst Brewing Co., Industrial Products Div.
EZ-OFF, metal cleaner, Boston Clip & Tag Co.
E-Z SQUEEZE, water spray gun, Dryco Corp.
E-Z TO SEW, pillow ticks, Zuckerberg Co.
EZY, drycleaning press, Prosperity Co., Inc.
EZY-KLEEN, strainers for pumps and pipelines, Blackmer Pump Co.

F

F.B., loose-leaf holders, Speed Products Co., Inc.
F.B.C., drycleaning detergent, Fry Bros. Co.
FF, tickings, Freund, Freund & Co.
F & E, underfeed stokers, Flynn & Emrich Co.
FABRICARE, drycleaning finishing equipment, Dryco Div., G. H. Bishop Co.
FABRICHEAD, puff irons, Excelsior Machinery Co.
FABRI CLENE, drycleaning detergents, Lincoln Research, Inc.
FABRICOL, drycleaning detergent, R. R. Street & Co., Inc.
FABRIC-RENEWING, press plates, Davis Specialties, Inc.
FABRIC-SAFE, press plate, Davis Specialties, Inc.
FABRI FIN, fabric conditioner, Lincoln Research, Inc.
FABRI LUBE, stain sealer, Lincoln Research, Inc.
FABRI PELS, water repellents, Lincoln Research Inc.
FABRI SIZES, dry and wet sizings, Lincoln Research, Inc.
FABRIT, heat-sealing mending tape, Madison Products Co., Lucas Products Co.
FABTEX, water repellent, Merson Products Co.
FAB-TEX, water repellent, Spix Products Co.
FAIRBANKS, valves, trucks, casters, wheels, Fairbanks Co.
FAIRBANKS-MORSE, pumps, motors, engines, stokers, Fairbanks Morse & Co.
FAMILY WORK STARCH, laundry starch, Keever Starch Co.
FAMOUS 50, hand numbering machine, Roberts Numbering Machine Co.
FAN-PAC, packaged ventilation, DeBothezat Fans Div., American Machine & Metals, Inc.
FANTOM-BANTAM, invisible identification system, National Marking Machine Co.
FANTOM-FAST, invisible identification system, National Marking Machine Co.
FANTOMMASTER, invisible identification system, National Marking Machine Co.
FASEL, prespotter, Package Chemical Co.
FASTOGENE, textile finishes and assistants, American Aniline Products, Inc.
FAWR, accessory equipment, Fawr, Inc.
FEATHER, air compressor valves, Worthington Pump & Machinery Corp.
FELAN, durable water-repellent finish, E. I. du Pont de Nemours & Co., Inc.
FEND, protective hand cream, Mine Safety Appliance Co.
FEROCATOR SALTS, laundry sour, Pennsylvania Salt Mfg. Co.
FERRENEWO, angle check and globe valves, Lunkenheimer Co.
FERRO, sours, Diamond Alkali Co.
FERROSAND, iron-removal filters, Hungerford & Terry, Inc.
FIBERGLAS, spun glass yarn for fabrics and insulating, Owens-Corning Fiberglas Corp.
FIBEROLLS, for use with marking machines, Textile Marking Machine Co., Inc.
FIELD, draft controls, Conco Engineering Works, Div. H. D. Conkey & Co.
FIELDEN, liquid level control instrument, Fielden Instrument Corp.
50-FOLD, concentrated drycleaning soap, National Cleaners Chemical Mfg. Co.
FILPRO, vacuum still, U. S. Hoffman Machinery Corp.
FILTER-SOL, liquid drycleaning soap, Davies-Young Soap Co.
FILTERSTILL, filters, Martin Equipment Co., Div. American Laundry Machinery Co.
FILTROL DC, adsorbent filter aid, Filtrol Corp.
FILTROLENE, synthetic drycleaning soap, Slater-Robbins Co., Inc.
FILTRON, electronic filter, U. S. Hoffman Machinery Corp.
FILTROSAN, drycleaning soap, Stoddard solvent, Slater-Robbins Co., Inc.
FILT-R-OUT, liquid drycleaning soap, Caled Products Co., Inc.
FINISH 21, dye fixer, Apex Chemical Co., Inc.
FINNELL, starch reclaimer, Lewis National Corp.
FIREBOX, coal, oil, gas stokers, high and low pressure, Kewanee Boiler Corp.
FIRE-CHEX, roofing shingles, Philip Carey Mfg. Co.
FIREITE, asbestos furnace cement, Johns-Manville
FIREYE, safeguards, controls, Combustion Control Corp.
FIREFLY, asbestos pads, Firefly Asbestos Products Co.
FIRE GUARD, insulation, Philip Carey Mfg. Co.
FIRE GUN, fire extinguishers, America-La France-Foamite Corp.
FIT-ALL, sleeve forms, Davis Specialties, Inc.
5-L, laundry starch, Clinton Foods Inc.
FLAG-TAGS, special tags, Stry-Lenkoff & Co.
FLAIR, sport shirt pack, Scientific Packages, Inc.
FLALON, nylon flannel for press pads, Burgess-Berliner Associates
FLAME CHEK, flameproofing agent, Chek Products, Inc.
FLAME PROOF XWX, flameproofing agent, Apex Chemical Co., Inc.
FLAMONEL, Monel press pads, Resillo Co.
FLAN-L-LESS, metal press pads, X. S. Smith, Inc.
FLASH, hand-type tape sealing machine, Time Savers, Inc.
FLASH, shirt packages, Scientific Packages, Inc.
FLETCHER, extractor, Fletcher Works, Inc.
FLEXCO, belt fasteners, Flexible Steel Lacing Co.
FLEXIMATIC, linen folder, Troy Laundry Machinery Div., American Machine & Metals, Inc.
FLEXITE, rubber buckets, dippers, funnels, B. F. Goodrich Co.
FLEXOL, starch, Washine National Sands, Inc.
FLEXOL DOP, plasticizer to soften hardened waterproof innerlinings, Eaton Chemical & Dyestuff Co.
FLEXON, corrugated expansion joints, Flexonics Corp.
FLEX V, belt fasteners, Flexible Steel Lacing Co.
FLIK, paint, oil and lipstick remover, Stamford Chemical Co.
FLINT CHIPS, neutral soaps, Armour & Co., Industrial Soap Div.
FLOATS OFF, liquid synthetic detergent, J. Holcomb Mfg. Co.
FLO-KLEAR, soap for charged systems, Pennsylvania Salt Mfg. Co.
FLOORKOTE, enamel, Tropical Paint & Oil Co.
FLOORMASTER, trucks, Lewis-Shepard Products, Inc.
FLOOR-VEYOR, permanent installation power belt conveyor, Rapids-Standard Co., Inc.
FLOW-CLEAN, washer-extractor, Fletcher Works, Inc.
FLOW-MASTER, continuous speed rail fittings, Flow-Master Machine Corp.
FLOWRATER, solvent meter for filters, Fischer & Porter Co.
FLOW-RINSE, drycleaning extractor-rinser, Fletcher Works, Inc.
FLUFFED EDGE, padding cotton, Pittsburgh Waterproof Co.
FLUFTEX, fabric conditioner, textile softeners, National Textile Chemical Co.
FLUORIUM, fluorescent fabric finish, Beach Soap Co.
FLUTRON, ruffle ironer, Maxant Button & Supply Co.
FOAMANEL, sponge press pads, Resillo Co.
FOAM-ASBESTOS, foam rubber laminated drycleaning pads, Gustin-Kramer Co.
FOAMEX, neutral lubricant, Benda Products, Inc.
FOAMITE, fire extinguishers, America-La France-Foamite Corp.
FOAMSUDS, liquid coconut soap, E. F. Drew & Co., Inc.
FOLD-A-WAY, shirt baskets and trucks, Time Savers, Inc.
FOLD-FAST, folders, Troy Laundry Machinery Div., American Machine & Metals, Inc.
FOLD-KING, shirt-folding device, Time Savers, Inc.
FOLDMASTER, flatwork folder, American Laundry Machinery Co.
FOLDRITE, flatwork folder, American Laundry Machinery Co.
FOLDRITE, shirt folding and finishing equipment, Time Savers, Inc.
FOOTROL, switches, General Control Co.
FORCE-FLO, blast type convector with fan, Trane Co.
FORD, gasoline trucks and engines, Ford Motor Co.
FORMANIL, aniline dyes, American Aniline Products, Inc.
FORMATIC, automatic shirt folder, American Laundry Machinery Co.
FORMATIC, shirt unit and presses, American Laundry Machinery Co.
FORM-A-TIME CONTROL, washer timer, Van Chemical Co.
FORMATROL, cycle timer, automatic washer control, Prosperity Co., Inc.
FORM FIT, garment hangers, Pacific Coat Hanger Mfg. Co.
FORMFIT, shirt protectors, Sutherland Paper Co.
FORM-MASTER, payroll system, Todd Co., Inc.
FORMMASTER, portable forming machine, Walter Haertel Co.
FORM-RITE, collar shaper, Huebsch Mfg. Co. Div. American Laundry Machinery Co.
FORMULA CONTROLS, INC., formula control for washers, Formula Controls, Inc.
FORMULA E-23, concentrated detergent, Marshall Co.
FORMULA 1954, 4% clear, no-rinse charge, Marclene Products Corp.
FORMULA 177, synthetic soap powder, West Side Corp.
FORMULA 5, built, powdered, low-titer soap, and fur cleaning supplies, Swift & Co.
FORMULA 60, high-titer laundry soap, New South Mfg. Co., Inc.
FORMULA 12, drycleaning soap, Package Chemical Co., Inc.
FORMULA W-81, ink remover, A. L. Wilson Chemical Co.
FORSE MASTER, presses, laundry and drycleaning equipment, Forse Equipment Corp.
FOSKLOR, chlorinated sodium phosphate, Westvaco Chemical Div., Food Machinery & Chemical Corp.
FOSTER-STEPHENS, window posters, photo truck-posters, sales promotion material, newspaper mats, Foster-Stephens, Inc.
FOUR-ACES, synthetic wetcleaner in powder form, National Cleaners Chemical Mfg. Co.
400, liquid drycleaner, Adco, Inc.
411, powdered synthetic detergent, Armour & Co.
460, power conveyor, Richards-Wilcox Mfg. Co.
FOUR STAR, wheat paste starch, Keever Starch Co.
422, built anionic synthetic detergent, Armour & Co.
FOXBORO, indicating, recording, controlling instruments, Foxboro Co.
FRACTO-CRETE, castable refractory, Ramtite Co.
FRANKLIN, steel products, Bernard Franklin Co., Inc.
FRANKLIN'S, cement treatment, cleaners, polishes, waxes, wood seal, Franklin Research Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

FRE-BIR-PAC, cloth counters, automatic towel and diaper counters, Fre-Bir-Pac, Inc.
FREE-FLO, drycleaning pressure filter, Gross Machinery Co., Inc.
FREE-VANE, air-operated controller, Bristol Co.
FREE-VANE, electric controller, Bristol Co.
FREMONT, rubber floor tile, mats, matting, Fremont Rubber Co.
FRESH-AIR MAKER, fans, blowers, Schwitzer-Cummins Co.
FREUND, tickings, Freund, Freund & Co., Inc.
FRIGIDAIRE, air conditioners, Frigidaire Div., General Motors Corp.
FRINGE-IT, fringe cleaner, Certified Chemical & Equipment Co.
FRONTIER BRAND, specialties, Riverside Chemical Co., Inc.
FROST-PROOF, pipe covering and blocks, Ruberoid Co.
FRUGAL, soap, Minnesota Chemical Co.
FRYBRO, black indelible marking ink, ironer oil, Fry Bros. Co.
FRYE, dye dippers, E. B. Frye & Son
FRY'S SPECIAL, clipper laced aprons, Fry Bros. Co.
F. S. RUBBER MARKERS, colored identification markers, Skrandel Co.
FUEL-SAVER, boilers, International Boiler Works Co.
FULFLO, filters for industrial fluids, gases and compressed air, Commercial Filters Corp.
FUL-FLO, laundry nets and fabrics, Davis Mills Inc.
FULLMATIC, washers, Troy Laundry Machinery Div., American Machine & Metals, Inc.
FULTON, laundry nets, Southern Mills, Inc.
FULTON, small-horsepower steam boilers, Fulton Boiler Works, Inc.
FUME-FITE, acid resisting enamel, Tropical Paint & Oil Co.
FUMOL, mothproofing agent, Fumol Corp.
FUR CLENE, fur cleaning solvent, Walter Haertel Co.
FUR-E-OIL, re-oiling and softening agent for furs and leathers, Package Chemical Co., Inc.
FURLON, fur glaze, Nycco Products Co.
FURNAS-CRETE, castable refractory, Mexico Refractories Co.
FUR-RAY, fur cleaner and reconditioner, Jay-Dee, Inc., Mfg. Chemists
FUR SHEEN, fur cleaner, Walter Haertel Co.
FYR-FEEDER, stokers, American Coal Burner Co.

G

GFD'S, hot air dryers, Hoyt Mfg. Corp.
GFTT, gas power fork truck, Lewis-Shepard Products, Inc.
G & G, liquid or powdered stripper, bleacher, G & G Chemical Co.
GOP, grease, oil and paint remover, Eaton Chemical & Dyestuff Co.
GABRIEL, boilers, heat exchangers, pressure tanks, Gabriel Boiler & Fabrication Co.
GABCO, hangers, wire trouser guards, collar supports, Garment Hanger Co.
GARD, combined flameproofing and mothproofing agent, U. S. Chemical Products Co.
GARDNER-DENVER, air compressors, pumps, Gardner-Denver Co.
GAS-HEAT, recirculators, Kisco Boiler & Engineering Co.
GASWAY, gas-heated flatwork ironers, Gasway Corp.
GATES, heavy duty industrial V-belts, Gates Rubber Co.
GAVSCO, valves, Golden-Anderson Valve Specialty Co.
GEEP, wet and dry spotter, Keystone Aniline & Chemical Co., Inc.
GELATONE, liquid size and finish, R. R. Street & Co., Inc.
GEM, grease cups, Lunkenheimer Co.
GEMZYME, enzymic digester, George E. Mead Co.
GENERAL, fire trucks, General Detroit Corp.
GENERAL, perchlorethylene drycleaning units, Martin Equipment Co., Div. American Laundry Machinery Co.
GENERAL ELECTRIC, electrical equipment, General Electric Co.
GENERAL FORMULA, stain remover, G & G Chemical Co.
GERMITEX, sour, Hood Chemical Co., Inc., Crescent Div.
GIANT, built high-titer soap powder, Armour & Co.
GIANT, hydraulic extractor, Strike's Laundry Machinery, Inc.
GIANT KING, net pins, Keyes-Davis Co.
GIBRALTAR, marking and printed tags, Commercial Tag Co.
GIBRALTAR, nylon flatwork ironer tape, Gibraltar Fabrics, Inc.
GIBRALTAR TRI-PRONG CLIP, skirt hanger fastener, Commercial Tag Co.
GIFCO, tags, H. M. Gifford Mfg. Co.
GI-GR-NITE, casters, Clinton Products Co.
GILMER, V-belts, flat belting, woven belting, New York belting & Packing Co.
GILT EDGE, round leather belting, I. B. Williams & Sons
GLAMORENE, rug cleaner, rug brush, foam upholstery cleaner, Glamorene, Inc.
GLAZEEN, fur glazing fluid, Package Chemical Co., Inc.
GLAZOLENE, fur luster, Nycco Products Co.
GLEEM, liquid wetcleaning soap, Trico Chemical Div., Tri-State Equipment Co.
GLENN ANDERSON, paper collar supports, Howe Paper Corp.
GLIDE LINER, pressing machines, laundry power presses, Unipress Co.
GLIDE-O-MATIC, shirt-finishing unit, Unipress Co.
GLIDER, electric irons, J. W. Steele & Co.
GLIDER, pressing machine, Loyal Textile Machinery Corp.
GLIM, detergent, General Aniline & Film Corp., Special Products Sales Div.
GLISS'N, cleaning compounds, mothproofing, Gliss'n Products Co., Inc.
GLOBE, drycleaning marking and strip tags, Globe Ticket Co. of New England
GLOBE, laundry, drycleaning washers, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
GLORY, tallow soap chips, Swift & Co.
GLO-SOAP, drycleaning soap, Starr Soap & Chemical Co., Inc.
GLOSSTEX, canvas products, C. R. Daniels, Inc.
GLOVER, cleaners' specialties, Bill Glover, Inc.
GLUV-NU, glove soap, Davies-Young Soap Co.
GLYD-ON, shirt clip, Time Savers, Inc.
GMC TRUCKS, motor trucks, GMC Truck & Coach Div., General Motors Corp.
GO-BACK, basket conveyor, Time Savers, Inc.
GO-BACK, conveyors for flatwork presses, Rosenthal Mfg. Co.
GOLDEN FLAKE, laundry soaps, Fry Bros. Co.
GOLD-FLO, boilers and condensation return system, Goldman Pressing Machinery Corp.
GOLD LINE, laundry fabric, Tingue, Brown & Co.
GOLD MEDAL, hatters' chemicals, machinery, Hatters Supply House, Inc.
GOLD MEDAL, nets, Southern Mills, Inc.
GOLDSEAL, colored specialty tapes, Gummed Tape & Devices Co.
GOLD STAR, feed ribbons, New York Belting & Packing Co.
GOOD FORM, garment hangers, Pacific Coat Hanger Mfg. Co.
GOODRICH, rubber hose, belting, packing, B. F. Goodrich Co.
GORTON, air eliminators, Gorton Heating Corp.
GOVERNOR, nylon net, Gibraltar Fabrics, Inc.
GRAKO, belt dressing, Graton & Knight Co.
GRAND, hatters' equipment, supplies, Maxant Button & Supply Co.
GRANOLITH, paint for brick, concrete, stucco, Barreled Sunlight Paint Co.
GRANUWAX, granulated wax, Lewis National Corp.
GRAVES & MARSHALL, water heaters, heat exchangers, pressure and storage tanks, Graves & Marshall Co.
GREAVES, silent bakelite gears, milling machines, Greaves Machine Tool Co.
GREENBACK, apron duck, John T. Stanley Co., Inc.
GREEN BUBBLES, soap powder, Minnesota Chemical Co.
GREENCOTE, refractory maintenance coating, A. P. Green Fire Brick Co.
GREEN GLO, oil soap, Allen B. Wrisley Co.
GREEN LABEL, builder compound, Solvay Sales Div., Allied Chemical & Dye Corp.
GREEN OLIVE, soap, Rome Soap Mfg. Co.
GREENSTRIPE, cover cloth, John T. Stanley Co., Inc.
GREEN STRIPE, padding, William E. Hooper & Sons
GREENZYME, digestive enzyme, Greenville Chemical Co.
GREIF, hangers, guards, Greif Bros. Cooperage Corp., Wire Garment Hanger Div.
GRESOL, break powder, Speare Co.
GREYHOUND, extractor, synthetic washer, washwheel, Hecules Laundry Machinery Co., Inc.
GREY-ROCK, brake lining, clutch facings, brake blocks, Raybestos-Manhattan, Inc.
GRIMES, air compressors, Grimes Co.
GRIPNET, nylon net closures, Keyes-Davis Co.
GRIPPO, slip-resistant trouser guard, Patek & Co.
GRIPPO GUARD, trouser guards, L. M. Leathers' Sons
GRIPTEX, liquid rubber, Adhesive Products Corp.
GRIPTITE, bagging rod clamp, G. H. Bishop Co.
GRIP-TITE, marking tags, Liberty Marking Tag Co., Inc.
GRIPTITE, rug pole hangers, American Laundry Machinery Co.
GROSS, drycleaning extractors, filters, tumblers, washers, Gross Machinery Co., Inc.
GROSSAIR, open-end tumbler, Gross Machinery Co., Inc.
GROSS-EX, drycleaning washer-extractor, Gross Machinery Co., Inc.
GROSS-OMATIC, safety petroleum drycleaning unit, Gross Machinery Co., Inc.
GROSS STAR, grid plates, electric steam irons, ironing boards and tables, asbestos covers and pads, floor matting, L. Behrstock Co.
GROSS-X, tumbler, Gross Machinery Co., Inc.
G-SEAL, pipe joint compound, Quigley Co., Inc.
G-SOL, drycleaning soap, G & G Chemical Co.
GUARANTEED, built, powdered high-titer laundry soap, Swift & Co.
GUARDIAN, hanger covers, shirt bands, garment bags, trouser guards, Great Eastern Paper Converters, Inc.
GUARDSMAN, watchclock, Detex Watchclock Corp.
GULF, petroleum and Stoddard solvents, rust preventatives, greases and lubricating oils, Gulf Oil Corp.-Gulf Refining Co.
GUMCRAFT, gummed, mending and printed tapes, Gummed Tape & Devices Co.
GUTH FLUORESCENT, fluorescent lighting equipment, Edwin F. Guth Co.
GUTH GERM-KILLING LIGHTS, bactericidal lighting equipment, Edwin F. Guth Co.

H

H, water soluble grease, Keystone Lubricating Co.
HCR, high capacity cation exchanger, National Aluminate Corp.
HD, belt fasteners, Flexible Steel Lacing Co.
H.K., water repellent, H. Kohnstamm & Co., Inc.
HTH, granular bleach, Mathieson Chemical Corp.
HTH, soda bleach mix, calcium hypochlorite with soda base, Olin Mathieson Chemical Corp.
HW, liquid soap, Eaton Chemical & Dyestuff Co.
HAERTEL, fur cleaning material, equipment, trucks, fumigation cabinet, garment racks, fur vault door, Walter Haertel Co.
HAGAN, combustion control for boilers, Hagan Corp.
HAGAN RING BALANCE, flow meters, Hagan Corp.
HAIRBOUND, round belting, Graton & Knight Co.
HALL, tanks and tubs, Amos H. Hall & Sons
HAMILTON, casters, dollies, racks, wheels, trucks, Hamilton Caster & Mfg. Co.
HAMILTON, spring padding, American Laundry Machinery Co.
HAMMEL-DAHL, valve controls, valves, Hammel-Dahl Co.
HAMMOND, washers, tumblers, etc, Hammond Laundry-Cleaning Machinery Co.
HAND-A-LOX, wire hanger holder, Time Savers, Inc.
HANDEE, presses, Forse Equipment Co.
HAND-FILM, protective hand cream, National Cleaners Chemical Mfg. Co.
HANDIL, bundle and garment racks, Speare Co.
HANDIPAK, portable autographic register, Egry Register Co.
HANDIROL, mending tape, Gummed Tape & Devices Co.
HANDY, button and buckle covering equipment, Handy Button Machine Co.
HANDY, flatwork ironer, American Laundry Machinery Co.
HANDY, gate valves, Lunkenheimer Co.
HANDY, rubber markers, Zuckerberg Co.
HANDY HOOKS, garment hanger and household conveyors, Engineering & Production Specialties
HANDYPAK, day tags, Tagit Co.
HANG-A-LOX, wire hanger rack, Time Savers, Inc.
HANGER-TIES, hanger combiners, H. F. Hanscom & Co.
HANG-RITE, garment hangers, Waldorf Paper Products Co.
HARWID, polyethylene, Olin Cellophane Div., Ecusta Paper Corp.
HAUSER-STANDER, wood tanks, tubs, vats, Hauser-Stander Tank Co.
HAWKEYE, soap flakes, Iowa Soap Co.
HAYS, veriflow meter, visio-ratio gauge, Hays Corp.
HEARTH-CRETE, refractory material, Quigley Co., Inc.
HEART-OAK, leather belting, Graton & Knight Co.
H. E. FLUELESS, boilers, F. M. Lattner Mfg. Co.
HELE-SHAW, pumps, American Engineering Co.
HELMET, steel safety pins, Risdon Mfg. Co.
HERCULES, extractors, Haring & Stephens Co.
HERCULES, Stoddard solvent and 140° F drycleaning units, washers, Hercules Laundry Machinery Co., Inc.
HERCULES CMC, sizing agent, Hercules Powder Co.
HERMAN, delivery truck body, Herman Body Co.
HERO, fire extinguishers, Bostwick Laboratories
HEV-E, combination oil and gas burner, Cleaver-Brooks Co.
HEXAGON, pads, covers, Stadham Co.
HEXAMO, prespotter, Riverside Mfg. Co.
HEXIKLOR, synthetic solvent drycleaning detergent, Krasan Products, Inc.
HEXITE, wetcleaning soap, Riverside Mfg. Co.
HEXOL, prespotter, Slater-Robbins Co., Inc.
HEXOLATE, alkali, soap builder, Lewis National Corp.
HI-BASEX A, zeolite, Hungerford & Terry, Inc.
HI-CAP, steam traps, Strong, Carlisle & Hammond Co.
HICORY, soap, flaked or powdered, Los Angeles Soap Co.

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HIGH FLASH SHELL-SOL, naphtha petroleum solvent, Shell Oil Co., Inc.
HIGH-SPEED, curtain drier, drying tumbler, American Laundry Machinery Co.
HI-GRADE, leather belting, cement, dressing, Cornell Belting Co.
HI-INVERSAND, zeolite, Hungerford & Terry, Inc.
HILD, rug and carpet shampooing equipment, animal stain remover, Hild Floor Machine Co.
HILO, built low-titer soap powder, Armour & Co.
HILO-CHROME, chrome-base bonding mortar, Mexico Refractories Co.
HILOSET, high-temperature bonding mortar, Mexico Refractories Co.
HI-LUSTRE, fur glazing fluid, Bernard Sirotta Co.
HI-SPEED, rail fittings, Time Savers, Inc.
HI-SPEED, washer, Keystone Laundry Machinery Co.
HI TEST, high-pressure welded boilers, Kewanee Boiler Corp.
HI-TEST, moth spray, Bernard Sirotta Co.
hi-TONE, non-ionic drycleaning detergent, hi-Tone Soap Co.
HI-V, collar and cuff press, Forse Equipment Corp.
HI-JET, drycleaning and laundry washer-extractor-drier units, U. S. Hoffman Machinery Corp.
HODGES, checking systems, Jack Hodges Specialty Co.
HOFFCO-VAC, portable vacuum cleaner, U. S. Hoffman Machinery Corp.
HOFFMAN, drycleaning, laundry machinery, U. S. Hoffman Machinery Corp.
HOLDAPRES, trouser hanger, B & G Engineering Co.
HOLD-FAST, leather belt dressing, I. B. Williams & Sons
HOLTITE, collar supports, Wormstead, Smith & Loomis, Inc.
HOL-TITE, marking tags, Liberty Marking Tag Co., Inc.
HOLT WHIRLWIND, floor polishers, Holt Mfg. Co.
HOMO-FLEX, hose, belting, Raybestos-Manhattan, Inc.
HONEYCOMB, filter tubes for industrial fluids, gases and compressed air, Commercial Filters Corp.
HOODCLOR, bleach, Hood Chemical Co., Inc., Crescent Div.
HOOF, automobile and engine governors, Hoof Products Co.
HOOPERWOD, cotton press padding, nets, William E. Hooper & Sons
HOOSIER PEARL, corn starch, National Starch Products, Inc.
HOPE, tapes, belting, Hope Webbing Co.
HOPKINS, washing machines, tanks, Hopkins Equipment Co.
HOPKINS ATOMIZER, spotter, Hopkins Equipment Co.
HOPKINS FILTER, horizontal, bag-type filter, Hopkins Equipment Co.
HORN CRETE-FIX, floor resurfacer, A. C. Horn Co., Inc.
HORN DRI-N-TITE, roof coating, A. C. Horn Co., Inc.
HORN FUMEX, fume resistant coating for walls, ceilings, A. C. Horn Co., Inc.
HORNGLAZE, floor wax, A. C. Horn Co., Inc.
HORNOLITH, dustproofer for concrete floors, A. C. Horn Co., Inc.
HORSESHOE, shirt sorting bin, Time Savers, Inc.
HORWATH, laundry washers, Horwath Laundry Machine Mfg. Co.
HOT-SPOT, stick type press cleaner, Dello Products Co.
HOTT PATCH, heat-setting high-temperature cement, Ramtite Co.
HOWELL, sump pumps, oil burners, Kol-Master Corp.
HOYT, tumblers, Hoyt Mfg. Corp.
HUB, laundry marking tags, Boston Clip & Tag Co.
HUBER, overfeed stokers, Flynn & Emrich Co.
HUBINGER COMPOUND, corn starch, Hubinger Co.
HUEBSCH, tumblers, Huebsch Mfg. Co., Div. American Laundry Machinery Co.
HUMIDIGRAPH, direct-reading humidity recorder, Bristol Co.
HUNGERFORD, filters, Hungerford & Terry, Inc.
HV-3, air vacuum system, U. S. Hoffman Machinery Corp.
HYAL, builders, George Stearns Chemical & Mfg. Co.
HYDRAMITE, pumps, American Engineering Co.
HYDRASOL, wetcleaning Celanese soap, Keystone Aniline & Chemical Co., Inc.
HYDRAULIC HANDLIFT and FOOTLIFT, trucks, Lewis-Shepard Products, Inc.
HYDRAXTOR, extractor, Hydraxtor Company, Div. Zephyr Laundry Machinery Co.
HYDRAZENE, rust remover, National Cleaners Chemical Mfg. Co.
HYDREPEL, naphtha-soluble waterproofing, National Cleaners Chemical Mfg. Co.
HYDROBREAK, laundry chemical, Diamond Alkali Co.
HYDRO CLARO, bleach, Lewis National Corp.
HYDROL, drycleaning detergent, Riverside Mfg. Co.
HYDROLATE, laundry chemical, Diamond Alkali Co.
HYDROLINE, booster and large condensate return, Peerless Pump Div., Food Machinery & Chemical Corp.
HYDROPEL, water repellent, National Cleaners Chemical Mfg. Co.
HYDROSITE, reducing bleach, Nu-Pro Mfg. Co.
HYDROSORB, solvent purifier, Stamford Chemical Co.
HYFLO SUPER-CEL, filter powder, Johns-Manville
HYFOAM, detergents, George Stearns Chemical & Mfg. Co.
HYGEA-PINE, pine oil disinfectant, Continental Car-Na-Var Corp.
HYGRADE, plastic buttons, Hygrade Button & Supply Co.
HY-LO, blanket washer, American Laundry Machinery Co.
HYPAC, bleach, Lewis National Corp.
HY-SET, high temperature bonding mortar, Mexico Refractories Co.
HY-SOL, soap builders, Thompson-Hayward Chemical Co.
HYSPAR, aluminum and white enamel undercoat, Midland Paint & Varnish Co.
HY-SPOT, substitute for chloroform, Slater-Robbins Co., Inc.
HYTEMPITE, high-temperature bonding mortar, Quigley Co., Inc.
HYTEXAL, built tallow soap, Allen B. Wrisley Co.
HY-V AIR JET, high-velocity concentrated cooling fan, DeBothezat Fans Div., American Machine & Metals, Inc.
HYWHITE, blue, Speare Co.
HY-WHITE, laundry soap, H. Kohnstamm & Co., Inc.

I

I.D.N., iodine stain remover, Package Chemical Co., Inc.
IMO, rotary pump, De Laval Steam Turbine Co.
I-R, liquid spotter for ink stain removal, Caled Products Co., Inc.
I-R-C, lightweight insulating refractory castable and concrete, Mexico Refractories Co.
I.S., press clamp, slip chain, racks, Ink-O Products Co.
IXL, laundry soaps, Fry Bros. Co.
IDEAL, filter paste soap, National Cleaners Chemical Mfg. Co.
IDEAL, grease cups, Lunkenheimer Co.
IDEALITE, non-glare neon-type light, Ideal Lighting Co., Inc.
IDEAL STYLE A, laundry washer, American Laundry Machinery Co.
IGEPALS, synthetic detergents, General Dyestuff Corp.
IGEPONS, synthetic detergents, General Dyestuff Corp.
ILG, centrifugal and propeller fans, unit heaters, Ilg Electric Ventilating Co.
IMCO, drycleaning presses, press head cleaners, puffers, spotting boards and tables, valves, Intercontinental Mfg. Co., Inc.
IMPACTOR, valve handwheels, Edward Valves, Inc., Subsidiary Rockwell Mfg. Co.
IMPERIAL, asbestos pipe covering and blocks, Ruberoid Co.
IMPERIAL, chest-type ironer, Imperial Laundry Machinery Co.
IMPERIAL, synthetic drycleaning unit, Prosperity Co., Inc.
IMPREGNOLE, water repellent, Warwick Chemical Co.
INCO, metal castings, fittings, tubings, nickel alloy fittings, castings, etc., International Nickel Co., Inc.
INCONEL, alloy of nickel and chromium, International Nickel Co., Inc.
INDEL-O-MARK, indelible automatic marking pen, Mark-O Corp.
INDIAN, laundry soap, North Coast Chemical & Soap Works
INDIVIDUAL PROCESS, ironer, Prosperity Co., Inc.
INDIVIDUAL PRODUCTION, washer, Prosperity Co., Inc.
INDUSTRIALITE, laundry soap, New South Mfg. Co., Inc.
INDUSTRIAL, fabric conditioner for wetcleaned garments, Namco Chemical Corp.
INDUSTRIAL, neutral soap chips and powder, Armour & Co.
INEX, laundry rinsing aid, H. Kohnstamm & Co., Inc.
INGERSOLL-RAND, compressors, blowers, pumps, Ingersoll-Rand Co.
INGRAIN, laundry starch, Industrial Grain Products, Ltd.
INKEX, ink remover, Patek & Co.
INK-GO, liquid oxidizing agent, A. L. Wilson Chemical Co.
INK-O, spotting aid, Ink-O Products Co.
INK-TWINS, wet or dry side spotters, Rusco Chemicals
INNER-PACK, steel split repair sleeves, Dresser Mfg. Div., Dresser Industries, Inc.
INSTANT, moth killer, Berlou Mfg. Co.
INSTITUTIONAL, fabric preservative, conditioner, Namco Chemical Corp.
INSTITUTIONAL, starch, A. E. Staley Mfg. Co.
INSTNAT, tannin stain remover, Rusco Chemicals
INSULAG, plastic refractory lagging and finishing material for high-temperature equipment, Quigley Co., Inc.
INSULBRIX, insulating firebrick, Quigley Co., Inc.
INSULCRETE, refractory material, Quigley Co., Inc.
INTERCHANGEABLE ASSEMBLY, F. W. I. assemblies of various types guaranteed for two years, Gibraltar Fabrics, Inc.
INTERNATIONAL, chemical mixing machinery, tanks, International Engineering, Inc.
INTERNATIONAL, garment bags, International Paper Co.
INTERNATIONAL, trucks, diesel and gasoline engines, International Harvester Co.
INVADER, pumps, Schirmer-Dornbirer Pump Co.
INVERCARB, zeolite, Hungerford & Terry, Inc.
INVERSAND, water-softening minerals, water softeners, Hungerford & Terry, Inc.
INVINCIBLE, industrial vacuum cleaners, Invincible Vacuum Cleaner Mfg. Co.
IN-WEAVING, reweaving, In-Weaving Co. of America
IODASE, iodine stain remover, Greenville Chemical Co.
IONETTE, wet spotter and penetrant, Krasan Products, Inc.
IPCO, safety equipment, Industrial Products Co.
IRON CITY, duck cover, Pittsburgh Waterproof Co.
IRON FIREMAN, stokers, gas and oil burners, Iron Fireman Mfg. Co.
IRONOIL, ironing surface lubricant, Patek & Co.
IRON OILITE, machine parts lubricating bearings, Amplex Div., Chrysler Corp.
IROQUOIS, safety pins, Risdon Mfg. Co.
IROQUOIS, soap, Lewis National Corp.

J

J.F.S., variable speed reducers, Stephens-Adamson Mfg. Co.
J-M, packings, gaskets, Johns-Manville
JACOBSON, wholesale garment dyer, flameproofing, Lawrence Jacobson Dye Works, Inc.
JANET, necktie presses, glove forms, Henrici Laundry Machinery Co.
JAY BEE, super-duty firebrick, Mexico Refractories Co.
JAY-DEE, fur stretcher, fur and leather softener, mothproofing liquid, Jay-Dee, Inc., Mfg. Chemists
JEFFERSON ISLAND, salt, Jefferson Island Salt Co., Inc.
JEFFERSON THOROBRED, wood and metal laundry and drycleaning washers, Laundry Machinery Div., Jefferson Wood Working Co.
JET SELFEED, dispenser for filter powder and activated carbon, Infilco, Inc.
JETVERTIZER, wrapping paper printer and dispenser, J. J. Connolly, Inc.
JETVEYOR, steam jet ash conveyor, Brady Conveyors Corp.
JIFFY, cuff and pocket brusher, bagging devices, bag racks, Medalie Mfg. Co.
JIFFY, puff irons, Columbia Laundry Machinery Co.
JIFFY, sock turner, Time Savers, Inc.
JIFFY SORTERS, sorting hooks with clip attached, Frank B. Smith Co.
JIFFY-STICK, ink remover, National Cleaners Chemical Mfg. Co.
JIFFY STRETCHER, drapery finisher, Kleen Hamper, Inc.
JIFTY, press pads and covers, Tingue, Brown & Co.
JOHNSON, flexible metal hose, Johnson Metal Hose, Inc.
JOHNSON, ironer oil, liquid stripper, Johnson Chemical Industries, Inc.
JOHNSON, rotary pressure joints, steam water heater, compressed-air separators, compressed-air aftercoolers, high-temperature boiler feed system, solenoid valves, automatic boiler water controls, Johnson Corp.
JOHNSTON, steam boilers, Johnston Bros., Inc.
JOINT-SEAL, anti-seize, joint seal and clean-out plug compound, Armite Laboratories
JOMAC, scorch-resistant fabric, Jomac, Inc.
JUMBO, metallic wool padding, International Steel Wool Corp.
JUMBO, net pins, Risdon Mfg. Co.
JUNIOR, extractor, Fletcher Works, Inc.
JUNIOR CASCADE, laundry washer, American Laundry Machinery Co.
JUNIOR CHALLENGER, washer, Miller Laundry Machinery Co.
JUNIOR KING, net pins, Keyes-Davis Co.

K

K & B, barrels, bins, boxes, buckets, cabinets, chutes, cylinders, guards, stocks, tanks and ventilating systems, Kirk & Blum Mfg. Co.
K.B., soap powder, sour, Kliegman Bros., Inc.
KCX, 4% single bath charge detergent, Keystone Aniline & Chemical Co.

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KC4X, 1% single bath charge detergent, Keystone Aniline & Chemical Co.
K-D, nets, marking pins, Keyes-Davis Co.
K.O.P., coco-potash soap, Armour & Co.
K & T, valves, Klipfel Mfg. Co.
K-V, heavy fluid lubricant, Keystone Lubricating Co.
KALITE, calcium carbonate, Diamond Alkali Co.
KANE, gar-fired steam boilers, Mears-Kane-Ofeldt, Inc.
KANTARK, non-renewable fuses, Trico Fuse Mfg. Co.
KANT FALL, spur rolls to attach to rug beater, Moore's Time-Saving Equipment, Inc.
KARAGAMI, powdered wax, refined wax, Concord Chemical Co.
KARDEX, visible records files, Remington Rand Inc.
KARGO-KING, aluminum-alloy van panel truck bodies, J. B. E. Olson Corp.
KARPET-KARE, carpet cleaner, Bigelow-Sanford Carpet Co.
KATOLIGHT, generators, light plants, Kato Engineering Co.
KAY-BEE, cover cloth, Kliegman Bros., Inc.
K-BI, break alkali, Laundry Chemicals Co.
K-BRITE, drycleaning soap, H. Krevit & Co., Inc.
KECKLEY, steam and liquid control equipment, O. C. Keckley Co.
KEE, zippers and slide fasteners, Kee Zipper Corp.
KEEDOL, drycleaning filter soap with antiseptic and mothproofing, A. F. Wolke Co.
KEELER CP, boilers, E. Keeler Co.
KEEN AIR DISHNER, odor absorbent, diaper can deodorant, fumigant, Keystone Chemical Co.
KEE-STAR, corn starch, Keever Starch Co.
KEEVER, rug and carpet size, eKever Starch Co.
KEEVER CLEANER, cleaner for metal sleeve form and press, Keever Starch Co.
KEKO, moth-repellent garment storage bags, Kennedy Car Liner & Bag Co., Inc.
KELCO, cutting oil, Keystone Lubricating Co.
KELLEY, heat reclaimers, hot-water heaters, storage heaters, Patterson-Kelley Co., Inc.
KELLOGG-AMERICAN, air compressors, paint spray equipment, American Brake Shoe Co., Kellogg Div.
KELMAKER, pressure filters, vacuum traps, sight-glass assemblies, Kelmaker Mfg. Co.
KEM PRO, cover cloths, Whitehouse Nylon Products
KEN DIZ, synthetic drycleaning machine, John W. Young
KENITE, diatomaceous earth filter powder, Kenite Corp.
KENNEDY, paper bags, Kennedy Car Liner & Bag Co., Inc.
KENNEY, water softeners, filters, zeolite, Kenney Softener & Filter Co.
KENSO, powder synthetic wetcleaning detergent and water softener, Keystone Chemical Co.
KENT, industrial vacuum cleaners, floor machines, Kent Co., Inc.
KENTUCKY, trucks, dollies, boxes, Kentucky Box & Truck Co.
KERODEX, protective hand cream, Ayerst, McKenna & Harrison
KEWANEE, heating boilers, power boilers, storage water heaters, steel tanks, water heating garbage burners, Kewanee Boiler Corp.
KEY KLEEN, liquid wetcleaning detergent and oil soap, Keystone Chemical Co.
KEY-LOK, brake blocks, Raybestos-Manhattan, Inc.
KEYLUBRIC, air tool lubricant, Keystone Lubricating Co.
KEYPROOF, combination flameproofing and mothproofing agent, Keystone Chemical Co.
KEYSO, drycleaning soap, G & G Chemical Co.
KEYSPRAY, mothproofing agent and insecticide, Keystone Chemical Co.
KEYSTONE, alkalis, Swift & Co.
KEYSTONE, extractors, Keystone Laundry Machinery Co.
KEYSTONE, hat sizing, Keystone Aniline & Chemical Co., Inc.
KEYSTONE, leather soap and liquid glove soap, nail polish remover, white kid glove bleach, Keystone Aniline & Chemical Co., Inc.
KEYSTONE, steam generator, Erie City Iron Works
KEYSTONE, washable service apparel, Keystone Coat & Apron Mfg. Corp.
KEYSTONE, wax spot remover, Keystone Lubricating Co.
KEYSTONE DRI-KLEEN, spot remover, Keystone Chemical Co.
KEY-TAG, automatic mechanical identification system, Key-Tag Checking System Co.
KEY-TEX, filter soap, G & G Chemical Co.
KEYTEX, CONC, drycleaning soap, Keystone Aniline & Chemical Co., Inc.
KEYTHOL, deodorizing machine and scent blocks, Keystone Scent Conditioner Corp.
K-5, laundry soap builder, Wyandotte Chemicals Corp.
K-538, low-temperature soap powder, Laundry Chemicals Co.
K411, boiler stew, to remove scale deposit, National Chemical Sales Co., Laboratory, Inc.
KIDDE, fire extinguishers, Walter Kidde & Co., Inc.
KIDDYKOLOR, garment bags, Kennedy Car Liner & Bag Co., Inc.
KILLARNEY, laundry blue, Patek & Co.
KIL-ODE, deodorant, Warco Laboratories
KING-CLIP, gate valve, Lunkenheimer Co.
KIRK'S, spray guns, formers, finishers, Kirk's Leather Cleaners
KISCO, boiler room equipment, Kisco Boiler & Engineering Co.
KITAGUNI, Japan wax, Strohmeyer & Arpe Co.
KLAMP-ON, pin sets, Moore's Time-Saving Equipment, Inc.
KLEANWELL, oil soap, Minnesota Chemical Co.
KLEENAP, rug detergent, H. Kohnstamm & Co., Inc.
KLEEN-EM, slightly alkaline soap containing powder and optical bleach detergent, Bigelow Chemical Products Corp.
KLEENFLO, activated sweetener, L. A. Salomon & Bro.
KLEEN HAMPER, bundle depository, Kleen Hamper, Inc.
KLEANMORE CONCENTRATE, graphite treatment for boiler scale removal, Kleanmore Laboratories, Inc.
KLEEN PAK, drycleaners' bags, Diem & Wing Paper Co.
KLEEN-RITE, coconut-oil soap, National Cleaners Chemical Mfg. Co.
KLEEN SHEEN, paste rug soap, Adco, Inc.
KLEEN SUDS, soap, Lewis National Corp.
KLEERVU, safety eye guard, gauge-glass protector, Wright-Austin Co.
KLEER-WITE, no rinse detergent, Marclene Chemical Corp.
KLENEASE, liquid wetcleaning soap, Caled Products Co., Inc.
KLERA CID, laundry sour, Wyandotte Chemicals Corp.
KLEX, pumice soap, Colgate-Palmolive Co.
KLIEGBILT, alkali, break powder, Kliegman Bros., Inc.
KLIEGSPUN, nets, cover cloth, Kliegman Bros., Inc.
KLIEGWEAVE, nets, Kliegman Bros., Inc.
KLING "100", laundry and drycleaning tumblers, Kling "100" Corp.
KLIPLOK, clamps for fuse clips, test clamps, Trico Fuse Mfg. Co.
KLIP-ZIT, drier clips, Time Savers, Inc.
K-LIQUID SOAP, liquid soap, Laundry Chemicals Co.
KLIX, paint remover, Nu-Pro Mfg. Co.
KLORGENT, synthetic soap, G & G Chemical Co.
KLOR-LENE, spotting solution with chloroform action, Davies-Young Soap Co.
KLORO, liquid detergent for use with synthetic solvent units, Adco, Inc.
K-MONEL, heat-treating alloy, International Nickel Co., Inc.
KM-129, odor absorber, deodorant, disinfectant, fumigant, synthetic detergent, chemical water conditioner, Keystone Chemical Co.
KNIGHT-WARE, acid-proof chemical stoneware, Maurice A. Knight
KNITTED PADDING, press pads, Knitted Padding Co.
KNOTLOCK, laundry nets, New York Net Co.
KOKO, liquid wetcleaning soap, Adco, Inc.
KOKOWET, wetcleaning soap, Stadham Co., Inc.
KOLD, sour, Minnesota Chemical Co.
KOLITE, cold-water built soap, John T. Stanley Co., Inc.
KOL MASTER, stokers, Kol-Master Corp.
KOLORTEX, industrial soap, Allen B. Wrisley Co.
KOLURGO, hot-water liquid color stripper, Washine National Sands, Inc.
KOMO, blues, ironer oil, Minnesota Chemical Co.
KOMONOL, organic detergent, Minnesota Chemical Co.
K-121-B, break powder, Laundry Chemicals Co.
K-122, soap builder, Laundry Chemicals Co.
KON-NEC-TOR, mercury switch, General Electric Co.
KORDITE, transparent, reusable, plastic mothproof storage bags, Kordite Corp.
KORO, filter detergent, Nu-Pro Mfg. Co.
KOROLA, French-cuff fastener, Boston Clip & Tag Co.
KOSMETEX, spotter for cosmetic stains and liquors, Patek & Co.
KOYLON, foam pressing pads, U. S. Rubber Co., Koylon Div.
KRAN-MER, dyeing, Kran-Mer Corp.
KRASAN CLEAR CHARGE, charged system drycleaning detergent, Krasan Products, Inc.
KREX, hand cream for relieving burns, cuts, etc. Caled Products Co., Inc.
KROMOAK, leather and waterproof leather belting, Charlotte Leather Belting Co.
KROMOTAN, leather and waterproof leather belting, Charlotte Leather Belting Co.
K-SOLVENT, detergent for industrial wetwash, Laundry Chemicals Co.
K-333, built soap powder, Laundry Chemicals Co.
KUFTACKER, stapler for trouser cuffs, Bostitch, Inc.
KUNKLE, safety and relief valves, Kunkle Valve Co.
KURB-SIDE, motor truck bodies, J. B. E. Olson Corp.
KWICK, fluorescent bleach, Eaton Chemical & Dyestuff Co.
KWIK CHANGE, cover and iron springs, Time Savers, Inc.
KWIK-KLIP, skirt and pants clip, Commercial Tag Co.
KWIK-KOVERS, garment hanger shield, Kwik-Kover Sales Co.
KWIK ON, rug stretching bars, Moore's Time-Saving Equipment, Inc.
KWIK-SET, bag and net holders, Time Savers, Inc.
KWIK SET, washing-machine timer, H. C. Thompson Clock Co.
KWIK-TAG, paper and cloth marking tags, Kwik-Kover Sales Co.
KWIK TWISTS, hanger combiners, Commercial Tag Co.
KWK VOLCLAY, bentonite clay, American Colloid Co.

L

L. M. C., pumps, Lubbock Machine Co., Inc.
L-N, sour, tags, Lewis National Corp.
L-S, leather-suede cleaning soap, Caled Products Co., Inc.
L.S.R., lipstick remover, West Side Corp.
LACLEDE, grates, stokers, Laclede Stoker Co.
LACQUERSOL, spotting agent, Nu-Pro Mfg. Co.
LA FRANCE, fire extinguishers, American-La France-Foamite Corp.
LAIDLAW, hangers, W. A. Laidlaw Wire Co.
LAM-TEX, sponge press pads, rubber floor mats, Pittsburgh Tag Co.
LANE, baskets, trucks, hampers, W. T. Lane & Bros., Inc.
LANICO, wetcleaning soap, Dello Products Co.
LANI-TEX, press pads, floor mats, Pittsburgh Tag Co.
LAPELETTES, lapel protectors, M. H. Gronauer Co.
LAQUERSOL, lipstick and nail polish remover, Nu-Pro Mfg. Co.
LARTON, assembly hooks, sorters, Larton Products Co., Inc.
LASCO, liquid coconut oil, soap builder, Los Angeles Soap Co.
LATCO, boilers, P. M. Lattner Mfg. Co.
LATHEM, time recorders, watchmen's clocks, Lathem Time Recorder Co.
LATHERINE, rug shampoo, Continental Car-Na-Var Corp.
LATTNER, boiler feed pumps and return systems, P. M. Lattner Mfg. Co.
LAUNDERLOC, recording washwheel thermometer, water level recorder, Foxboro Co.
LAUNDERLUXE, high phosphate laundry soap, New South Mfg. Co., Inc.
LAUNDR-EEZ, synthetic detergent, Thompson Chemical Co.
LAUNDRITE, starch, Clinton Foods
LAUNDRITE, washers, Troy Laundry Machinery Div., American Machine & Metals, Inc.
LAUNDRO-PAD, pre-cut pad for laundry presses, Arrow Mfg. Co.
LAUNDRY COMPOUND, soap builder, Solvay Sales Div., Allied Chemical & Dye Corp.
LAUNDRY SODA, special cleaner, Solvay Process Div., Allied Chemical & Dye Corp.
LAUNDRY SOUR, acid material for neutralizing, Turco Products, Inc.
LAUNETTE, built soap, Procter & Gamble Distributing Co.
LAUNSO, medium pH built soap, E. F. Drew & Co., Inc.
LAVEKOL, spot washing, General Dyestuff Corp.
LAVOX, machinery enamel, Pittsburgh Plate Glass Co., Paint Div.
LAWSON, pulleys, hand trucks, wheels, casters, Menasha Wood Split Pulley Co.
LAYCO, garment hanger, Star Service Hanger Div., L. A. Young Spring & Wire Corp.
LAYNE, vertical turbine pumps, water treatment and conditioning equipment, water well supplies, Layne & Bowler, Inc.
LAYTITE, floor coating, Steelcote Mfg. Co.
LE ANN, fur repair and remodeling services, Le Ann Fine Furs
LEATHERFAST, suede leather dye, Keystone Aniline & Chemical Co., Inc.
LEATHER-LIFE, leather dressing, Nycco Products Co.
LEATHER-LUSTRE, smooth-leather colors, Keystone Aniline & Chemical Co., Inc.
LEATHER SOAP, leather cleaning and glove soap, Spix Products Co.
LECTRICK-ICE, water cooler, Uniflow Mfg. Co.
LED-PLATE, thread and gasket paste, Armite Laboratories
LEEBAW, counter conveyor, industrial trucks, Leebaw Mfg. Co.
LEEF, flexible forms, Leef Bros., Inc.
LEFFEL, automatic underfeed stokers, steam boilers, James Leffel & Co.
LENACO, baskets, bleaches, blues, ink, ironer oil, pads, flannels, press covers, cement, Lewis National Corp.
LENACO NO-SAG, tumbler pads, Lewis National Corp.
LENASOL, disinfectant, Lewis National Corp.
LEPRECHAUN MIST, suede dressing, Leprechaun, Inc.
LESLIE, controls and regulators, pumps, valves, Leslie Co.
LESO, leather soap, Nu-Pro Mfg. Co.
LESTOIL, liquid synthetic detergent, Adell Chemical Co.
LETHOL MOTH FUMIGANT, insecticide, Mortemoth Chemical Laboratories
LEVELENE, textile dyeing assistants, American Aniline Products, Inc.

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LEVELENE FGD, color-setting liquid, American Aniline Products, Inc.
LEVELOL, stripper, Eaton Chemical & Dyestuff Co.
LEVELON, blue, H. Kohnstamm & Co., Inc.
LEVELON, moisture leveler and neutral spotting base, National Cleaners Chemical Mfg. Co.
LEVER FORMULA 770, 777, 880, all-purpose granules, mild flakes, heavy detergents, Lever Brothers Co.
LEVER SOAP, high-titer chips, granules, Lever Brothers Co.
LEWIS, baskets, trucks, G. B. Lewis Co.
LEWIS, rug binding machines, Lewis Invisible Stitch Machine Co.
LEXARD, milled toilet soap, Swift & Co.
L-4008, laundry starch, Clinton Foods Inc.
LIBERTY, fiber tag material, marking tags, Liberty Marking Tag, Inc.
LIFE FOR FABRICS, water repellent and fabric conditioner, Franklin Research Co.
LIFETIME LINEN TAPE, mending tape, Hughes Co.
LIFETIME MOTHPROOFING, moth repellent, Sibur Mothproof Co.
LIFE-TUBE, ball-bearing pillow blocks and flange units, T. B. Wood's Sons Co.
LIFTVEYOR, inclined belt conveyor, Mechanical Handling Systems, Inc.
LIGHTER METHOD, laundry packages, Sutherland Paper Co.
LIGHTNING, drycleaning, fur and upholstery cleaning compounds, Mortemoth Chemical Laboratories
LIGHTNING, water-repellent dip tank, Hopkins Equipment Co.
LIME-SOLV, calcium solvent, H. Kohnstamm & Co., Inc.
LINCOLN, rug and carpet redyeing, Lincoln-Hudson Rug Dyers, Inc.
LINEN, laundry sour, Keever Starch Co.
LINK-BELT, chains, conveyors, power transmission machinery, Link-Belt Co.
LINN, special bodies, delivery trucks, Linn Coach & Truck Div., Great American Industries, Inc.
LINOL, disinfectant, Lincoln Research, Inc.
LION-BILT, work uniforms, Lion Uniform Co.
LIP-I-CATER, lipstick and lacquer remover, W. F. Johnson Products Co.
LIPOFF, cleaning compounds, Mortemoth Chemical Laboratories
LIPSTICK-MUV, lipstick remover, Package Chemical Co., Inc.
LIQUA-BREAK, washroom detergent, Davies-Young Soap Co.
LIQUID BLUE, H. Kohnstamm & Co., Inc.
LIQUID BLUE "R", blue, Diamond Alkali Co.
LIQUID DRICLENE, drycleaning detergent, Amour & Co.
LIQUID MILEAGE, laundry blue, Keever Starch Co.
LIQUID MORTEMOTH, insecticide, Mortemoth Chemical Laboratories
LIQUIVATOR, condensate return system, Morehead Mfg. Co.
LIQUOR CHLOROXYLENOLIS, disinfectant, Lincoln Research, Inc.
LISTMAKER, listing machines, National Marking Machine Co.
LITTLE CHIEF, pumps, Fairbanks Morse & Co.
LITTLE GIANT, water spray gun, Stebbins Mfg. & Supply Co.
LITTLE SCOTCHMAN, Scotch marine boilers, U. S. Hoffman Machinery Corp.
LITTLE WARRIOR, metal washer, Illinois Laundry Machinery Mfg. Co.
LITTLE WONDER, electric whiskbrush, American Pressboard Co., Inc.
LIVE OAK, leather transmission belting, Eagle Belting & Leather Co.
LIXATE, rock-salt dissolver, International Salt Co., Inc.
L. N. 4, spotter and stripper, Lewis National Corp.
LOCK END, trouser guards, necktie forms, Paulin Products Co.
LOEBL, garment, rug redyeing, Loebl Dye Works, Inc.
LOGIK, soap builder, Minnesota Chemical Co.
LO-HED, hoists, car pullers, American Engineering Co.
LOK-TITE, marking tags, Liberty Marking Tag Co., Inc.
LO-MAINTENANCE, electric motors, Allis-Chalmers Mfg. Co.
LONGBOY, laundry net, Carson Textile Co., Inc.
LONGLIFE, ironer aprons, ironer ribbons, Tingue, Brown, & Co.
LOOKOUT, boilers, Lookout Boiler & Mfg. Co.
LO-SET, high temperature mortar, Mexico Refractories Co.
LOSET, stokers, Canton Stoker Corp.
LOSTOKER, boiler stoker, Detroit Stoker Co.
LOT SYSTEM TAG-O-MATIC, marking machine for lot system identification, Textile Marking Machine Co., Inc.
LOUDEN, conveyors, cranes, hoists, Louden Machinery Co.
LOX-IN, collar supports, Time Savers, Inc.
LOYAL, automatic starcher, Armstrong Machinery Co.
LOYAL, pressing machines, vacuum systems, starching machines, Loyal Textile Machinery Corp.
LT 60, built red oil soap, Allen B. Wrisley Co.
LUBEFLEX, starch aid lubricant, Hood Chemical Co., Inc., Crescent Div.
LUB-N-WAX, wax, Speare Co.
LUBRI-KLEEN, lubricating agent for ironers and presses, Paper Chemicals Co.
LUNKENHEIMER, valves, boiler mounts, lubricators, grease cups, gauges, etc., Lunkenheimer Co.
LUSTERETTE, portable fur ironing and glazing machine, Reliable Fur Storage Equipment Co., Div. Reliable Machine Works, Inc.
LUSTER-ON, fur glaze, Nycco Products Co.
LUSTER-PLATE, press plate for silks, Davis Specialties, Inc.
LUSTERSUDS, soap, H. Kohnstamm & Co., Inc.
LUSTERWAY, drycleaning system for franchise basis, McCleary Associates, Inc., and/or Root & Co.
LUSTERWAY COMPOUND, fur cleaning sawdust, Root & Co.
LUSTERWAY FORMULA, fur conditioner and glaze, Root & Co.
LUSTERWAY SOLVENT, fur cleaning solvent, Root & Co.
LUSTRALL, liquid synthetic cleaner, National Cleaners Chemical Mfg. Co.
LUSTRE SEAL, floor sealing and repair material, Keystone Chemical Co.
LUSTRO-KLEEN, liquid wetcleaning soap, Slater-Robbins Co., Inc.
LUXOL, starch lubricant, E. F. Drew & Co., Inc.
LUXOR PLASTIC, transparent garment bags, Rassenfoss Bag Co., Inc.

Mc

McDONNELL, boiler water level control, McDonnell & Miller, Inc.
McDONNELL & MILLER, water controls, McDonnell & Miller, Inc.
McELMOYL, canvas baskets, canvas shipping hampers, canvas basket trucks, M. J. McElmoyl Co.
McKEE-ECLIPSE, blowers, boiler feed and return systems, gas burners, controls, Eclipse Fuel Engineering Co.

M

MIF, pipe fittings, Malleable Iron Fittings Co.
M-K-O, automatic boiler feed systems, Mears-Kane-Ofeldt, Inc.
M. L. B., waterproof cemented leather belting and dressing, Milwaukee Leather Belting Co.
M&M, boilers, level controls, McDonnell & Miller, Inc.
M & M, break booster, M & M Chemical Co.
M. S. A., first-aid equipment, safety equipment, salt tablets and dispensers, Mine Safety Appliance Co.
MACHETA AIRFOIL, industrial ventilating fans, Aerovent Fan Co.
MAFORCO, fur storage equipment, racks, Market Forge Co.
MAGIC, double collar support, J. W. Steele & Co.
MAGIC, rug measuring table, Moore's Time-Saving Equipment, Inc.
MAGIC CORNER, boxes, Sutherland Paper Co.
MAGIC INKSTICK, ink eradicator, Nu-Pro Mfg. Co.
MAGIC-SEAL, shirt bands, Century Paper Products
MAGLA SILVER, cover cloth, Magla Products
MAGLINER, package, garment, hand and platform trucks, dockboards, roller conveyors and barrel skids, Magline, Inc.
MAGNESOL, adsorptive filter powder, Westvaco Chemical Div., Food Machinery & Chemical Corp.
MAGNETROL, liquid level controllers, Fred H. Schaub Engineering Co., Inc.
MAGNETTE, circuit breakers, Heinemann Electric Co.
MAGNISET, a type of free vane air-operated controller, Bristol Co.
MAJESTIC, steel steam boilers, Ames Iron Works
MAJOR, lubricators, Lunkenheimer Co.
MAJOR, nylon net, Gibraltar Fabrics, Inc.
MAMMOTH CASCADE, laundry washer, American Laundry Machinery Co.
MANHATTAN, belt hose, tank lining, Raybestos-Manhattan, Inc.
MANISOLV, prespotter, Merson Products Co.
MANITOWOC, drycleaning systems, filters, Manitowoc Engineering Corp.
MARATHON, ironer tape and feed ribbons, asbestos ironer covers and pads, black nylon cloth, Benwall Mfg. Co., Inc.
MARCLENE, charge detergent, penetrant wet prespotter, Marclene Products Corp.
MARCO, hot-water heaters, storage heaters, feedwater heaters, oil separators, Marshall Heater Co.
MARCO, racks, lighting fixtures, Cleaners Sales & Equipment Corp.
MARINE, grease cups, Lunkenheimer Co.
MARIONETTE, shirt bands, Marion Mfg. Co.
MARKMASTER, marking machine, National Marking Machine Co.
MARKOGRAPH, marking machines, marking ink, George Steigler Co.
MARK-O-INK, indelible marking ink, Mark-O Corp.
MARK-O-PEN, indelible marking pen, Mark-O Corp.
MARK RITE, tags, Lewis National Corp.
MARLEX, corrosion inhibitor, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
MARLOW, filter, oil, solvent and water pumps, Marlow Pumps
MAR-MAK, rug drycleaning machine, Mar-Mak Machinery Mfg. Co.
MARMON-HERRINGTON, all wheel drive truck, Marmon-Herrington Co., Inc.
MAROSAL, rinsing aid, Minnesota Chemical Co., Inc.
MARPEL, water repellent, Marclene Products Corp.
MARSH, valves, Jas. P. Marsh Corp.
MARSHALL'S, spotters, Marshall Co.
MARTEX, non-slip composition flooring, treads, American Abrasive Metals Co.
MARTINIZING, drycleaning system, Martin Equipment Co., Div. American Laundry Machinery Co.
MARTIN KOLORCARDS, direct-mail customer-control system, Reba Martin, Inc.
MARVA, scrubbing soap, Marvella Corp.
MARVEL, cotton padding, canvas cement, Pittsburgh Waterproof Co.
MARVEL, ink remover, Keystone Aniline & Chemical Co., Inc.
MARVEL, laundry, drycleaning equipment, Marvel Mfg. Co.
MARVELLA, rubber enamel, rubber glass and rubber enamel floor resurfacing materials; rubber glass and rubber paint, rug shampoo, wax and oil remover, upholstery shampoo, Marvella Corp.
MARVELO, built soap powder, West Side Corp.
MARVESO, drycleaning soap, Nu-Pro Mfg. Co.
MASONEILAN, steam plant equipment, Masoneilan Regulator Co.
MASS PRODUCTION CURTAIN DRYER, 3-way curtain drier, National Dryer Mfg. Co.
MASTER, drying tumblers, Hammond Laundry-Cleaning Machinery Co.
MASTER, glove cleaning soap, Keystone Aniline & Chemical Co., Inc.
MASTER, lint brush, Master Products Co.
MASTER, presses, laundry and drycleaning equipment, Master Machinery Co.
MASTER, sleever, folder, Forse Equipment Corp.
MASTER, soaps, Lasco Supply Co.
MASTER, solvent recovery units (muck), Master Mfg. Corp.
MASTER, valves, Chace Valve Div., American Laundry Machinery Co.
MASTER, work garments, Geo. Master Div.
MASTER BRAND, hatters' equipment, supplies, Maxant Button & Supply Co.
MASTER CASCADE, laundry washer, American Laundry Machinery Co.
MASTER CHALLENGER, washer, Miller Laundry Machinery Co.
MASTER CONTROL UNIT, steam system, Velocity Steam Production Engineering, Inc.
MASTER DRY CLEANSER, paste drycleaning soap, Keystone Aniline & Chemical Co., Inc.
MASTER KING, net pins, Keyes-Davis Co.
MASTER PLATE, floor resurfacing concrete, Master Builders Co.
MASTER QUICK, floor patching concrete, Master Builders Co.
MASTER SEAL, self-seal shirt bands, Package Masters, Inc.
MASTER SELF-SEAL, shirt bands for advertising messages, Package Masters, Inc.
MATCHLESS, flatwork ironers, Prosperity Co., Inc.
MATCHLESS, monorail trolley, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
MATEER, extractors, Western Laundry Machinery Co.
MAXANT MASTER, pleating machine, Maxant Button & Supply Co.
MAXINE, milled toilet soap, Swift & Co.
MECLASOL, washroom detergent, Carlton Chemical Co., Inc.
MECOLOID, colloidal clay compound, H. Kohnstamm & Co., Inc.
MEHL, transparent bags, Mehl Mfg. Co.
MEMO TAGS, pre-printed instruction tag, Larton Products Co., Inc.
MENDEX, tabs and tapes for repairing marking, Mendex Corp.
MEND-MASTER, machines for applying tapes or tabs, Mendex Corp.
MENTOR BEADS, synthetic detergent, Colgate-Palmolive Co.
MERASOL, colorless drycleaning detergent, R. R. Street & Co., Inc.
MERCURY, cleaning systems, filters, stills, tumblers, Mercury Cleaning Systems, Inc.
MERCURY, presses, Troy Laundry Machinery Div., American Machine & Metals, Inc.
MERMAID, break powder, Los Angeles Soap Co.
MERRY GO ROUND, shirt sorting bin, Time Savers, Inc.
MERSON, soaps, strippers, Merson Products Co.
MERTEX, drycleaning soap, Merson Products Co.
METALATE, laundry chemical, Diamond Alkali Co.

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METEOR, electric hoist, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
METLA-COTA, boiler water treatment, State Mfg. Co., Inc.
METRO, delivery truck bodies for light, bulky loads, Metropolitan Body Co., Inc.
METSO, detergents, Philadelphia Quartz Co.
METSO 88, rug cleaner, Philadelphia Quartz Co.
METSO 55, silicate-type cleaner, Philadelphia Quartz Co.
METSO ANHYDROUS, anhydrous sodium metasilicate, Philadelphia Quartz Co.
METSO GRANULAR, sodium metasilicate, Philadelphia Quartz Co.
METSO 99, sodium sesquisilicate, Philadelphia Quartz Co.
METSO 200, sodium orthosilicate, Philadelphia Quartz Co.
MEXICAST, plastic refractory concrete, Mexico Refractories Co.
MEX-LOX, jointing material, Mexico Refractories Co.
M-5, insulating firebrick, Mexico Refractories Co.
M-50, M500, drycleaning washers, Western Laundry Machinery Co.
MICROMET, rust and corrosion preventative, Calgon, Inc.
MIDCO, flameproofing agent, Merson Products Co.
MIDGET, continuous towel cabinet, Steiner Sales Co.
MIDGET, controls, Morehead Mfg. Co.
MIDGET, static eliminator for industrial machinery, Simco Co.
MIDGET KING, marking pins, Keyes-Davis Co.
MIDGET-MATIC, laundry washers, Hammond Laundry-Cleaning Machinery Co.
MIDGET PERFECTION MARKER, marking machine, Perfection Marking Machine Co.
MIDOFORM, all-around spotter, Merson Products Co.
MIDWEST, stainless steel washer, vacuum traps, drying cabinets, Midwest Laundry & Cleaning Machinery Co.
MIL-CIDE, mildew preventative, Speare Co.
MILCO, colorback (for restoring color to faded fabrics), shampoo, A. O. Miller & Co.
MILDEW-CHEK, mildew preventative, Chek Products, Inc.
MILDEX, mildewicide, Patek & Co.
MILDUSIZE, drycleaning mildew preventative, Cides Corp.
MILLER, laundry washers, Miller Laundry Machinery Co.
MILLICAL, calcium carbonate, Diamond Alkali Co.
MILLSPRAY, insecticide, Keystone Chemical Co.
MILNOR, laundry, drycleaning extractors, washers, Pellerin Milnor Corp.
MINCO, sours, Minnesota Chemical Co.
MINIATURE SLEEVERS, sleeve formers, Wichita Precision Tool Co., Inc.
MINI-LINE, pneumatic indicators and controls, Bailey Meter Co.
MINUTE MAN, extractor, presses, Troy Laundry Machinery Div., American Machine & Metals, Inc.
MINUTE MAN, JR., tumblers, Troy Laundry Machinery Div., American Machine & Metals, Inc.
MIRACLE MONIX, rug cleaning compound, mothproofing agent, Monix Co.
MIRZA, rug cleaning system and machine, rug duster, rug dryroom conveyor, rug drying unit, rug wringer, American Laundry Machinery Co.
MISSION BELL, toilet soap, Los Angeles Soap Co.
MIST, steam spotter, Pennsylvania Salt Mfg. Co.
MITCO, drycleaning washer, tumblers, J. B. Mitchell Co.
MIZON, rug cleaning detergent, Fumol Corp.
MKAYO, boilers for oil firing, Mears-Kane-Offeldt, Inc.
MOBILE HAMPER, clothes cart, R. B. Smith Co.
MOBILMARKER, storage bin, marking hopper and marking table, G. H. Bishop Co.
MOCO, drycleaning soap, fabric deodorant, liquid wetcleaner, spotter, dye pads, Package Chemical Co., Inc.
MODINE, unit heaters, coolers, Modine Mfg. Co.
MOFLEX, tire rebuilding and repair materials, Mohawk Rubber Co.
MOGRIP, tire recapping stock, tire rebuilding materials, Mohawk Rubber Co.
MOGUM, tire recapping stock, tire rebuilding materials, Mohawk Rubber Co.
MOHAWK, padding, Egan Cotton Mills
MOHAWK, tallow soap chips and powder, Swift & Co.
MOHAWK, tire recapping stock, tire repair materials, Mohawk Rubber Co.
MOLAFORM, stain remover, Package Chemical Co., Inc.
MONAD G, neutral synthetic detergent, Colgate-Palmolive Co.
MONARCH, synthetic solvent drycleaning machine, Detrex Corp.
MONARCH, washer, American Laundry Machinery Co.
MONARCH, water pumps, chemical and mechanical water conditioners, water filters, softening and treatment equipment, zeolite, Monarch Engineering Co.
MONEL, alloy of nickel and copper, International Nickel Co.
MONELLO, Monel pads for overall presses, Restillo Co.
MONEX, extractor, American Laundry Machinery Co.
MONITE, insured mothproofing, Monite Co., Inc.
MONOBLOC, close-coupled centrifugal pumps, Worthington Pump & Machinery Corp.
MONO-CHROME, chrome base plastic refractory, Mexico Refractories Co.
MONO-FABRIK, plastic firebrick, Mexico Refractories Co.
MONOFLO, rotary cable conveyor, M-H Standard Co.
MONO-LINE, plastic firebrick, Quigley Co., Inc.
MONROE, accounting and business machines, Monroe Calculating Machine Co., Inc.
MONTPELIER, truck bodies for laundry and linen supply delivery, Montpelier Mfg. Co.
MOORE, autographic register, Moore Business Forms, Inc.
MOORE, trolley conveyor, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
MOORES OCTOLENE, rug cleanser, Moore's Time-Saving Equipment, Inc.
MO-REX, dry press firebrick, Mexico Refractories Co.
MORHEAT, boiler and steam generators, Morheat Sales Co.
MORLEX, corrosion inhibitor for boiler water and steam, Carbide & Carbon Chemicals Corp, Unit of Union Carbide & Carbon Corp.
MOROCCO, rug sizings, National Starch Products, Inc.
MORRO, medium-titer soap flakes, Swift & Co.
MORSE, drum plug wrench, drum dispensing racks, bottle tippers, drum hand trucks, Morse Mfg. Co., Inc.
MOTEX, 17-inch extractor, American Laundry Machinery Co.
MOTH-ASEPTIC, mothproofing germicide, Perm-Aseptic Corp.
MOTH-CHEK, mothproofing agent, Chek Products, Inc.
MOTHPROOFITE, insecticide, mothproofing concentrate, Mortemoth Chemical Laboratories
MOTH-SAN, mothproofing agent, Huntington Laboratories, Inc.
MOTH SEAL, storage bags, Lincoln Bag Co.
MOTH SECTOL, dual-action moth spray, Fumol Corp.
MOTOPUMP, water supply pump, Yeomans Bros. Co.
MOTOR PUMP, solvent and water pump, Ingersoll-Rand Co.
M. P. 189, wetting and dispersing agent, Lewis National Corp.
MRS. STEWART'S, liquid bluing, Luther Ford & Co.
M-26, M-23, and M-20, insulating firebrick, Mexico Refractories Co.
MULHOLLAND HARPER, high baked deluxe metal signs for indoor and outdoor, also plastic signs, Mulholland-Harper Co.
MULSOLITE, lubricant, spotter, penetrant, R. R. Street & Co., Inc.
MULSOL-E, overall cleaner, Laundry Chemicals Co.
MULTI-CLEAN, rug scrubbing equipment, rug and upholstery shampoo, Multi-Clean Products, Inc.
MULTI-COUNTER, counting devices, Multi-Counter Mfg. Co.
MULTI-CUSHION, felt padding, Pittsburgh Waterproof Co.
MULTIFLEX, calcium carbonate, Diamond Alkali Co.
MULTIGRAPH, hand-operated duplicating machine, Addressograph-Multigraph Corp.
MULTIGRIP, floor plates, U. S. Steel Co.
MULTITHERM, air-conditioning units, Clarage Fan Company
MULTI-V DRIVE, V-belt drives and sheaves, Worthington Pump & Machinery Corp.
MUND'S, inclined water tube boiler, Mund Boilers, Inc.
MURCO, unit heaters, D. J. Murray Mfg. Co.
MUROZA, feather cleaning and sterilizing systems, American Laundry Machinery Co.
MW 30, asbestos furnace cement, Philip Carey Mfg. Co.
MYRO, water softeners, Hungerford & Terry, Inc.
MYSTRON, drycleaning unit, U. S. Hoffman Machinery Corp.

N

N-C, staples, stapling machines, Neva-Clog Products, Inc.
N.C.S., drycleaning soap, National Cleaners Chemical Mfg. Co.
N-L, plastic impregnated tags, ink, Wm. J. Nicholson Laboratories
N-M-D, globe, angle, check and quick operating valves, Lunkenheimer Co.
N. P., stain remover, glove color, dry type water repellent, stripper, size, suede oil, Nu-Pro Mfg. Co.
N-R-G, enzymic digester, George E. Mead Co.
NACCONOL, synthetic organic detergent, National Aniline Division, Allied Chemical & Dye Corp.
NAIROIL, small oil burners, National Airoil Burner Co., Inc.
NAJORT, laundry washers, R. Ewing & Sons, Inc.
NALCITE, resinous, ion exchangers, National Aluminate Corp.
NALCO, heating units for driers, North American Electric Lamp Co.
NALCO, water-treatment chemicals, National Aluminate Corp.
NALOX, nail polish remover, Warco Laboratories
NAMCO, boiler compound, dry and wet water repellents, fabric finishing compounds, Namco Chemical Corp.
NAPOLENE PASTE FILTER SOAP, drycleaning soap, Keystone Aniline & Chemical Co., Inc.
NAPSEPTIC, sour, E. F. Drew & Co., Inc.
NAPSOAP 22, 60, laundry soaps, E. F. Drew & Co., Inc.
NAPSO, medium-titer powdered built soap, E. F. Drew & Co., Inc.
NAPSOID, alkali compound, special detergents, E. F. Drew & Co., Inc.
NAPSOLV, spotting agent, E. F. Drew & Co., Inc.
NAPSO 22, oil built soap, E. F. Drew & Co., Inc.
NAPSUDS, rug and carpet soap, E. F. Drew & Co., Inc.
NAPTEX, oil built soaps, E. F. Drew & Co., Inc.
NAPTHOLE, alkali compound, special detergents, E. F. Drew & Co., Inc.
NAPTHOLE, ironer oil, E. F. Drew & Co., Inc.
NAPTHOLE B, medium-high pH detergent, E. F. Drew & Co., Inc.
NAPTONE, complete laundering detergent, E. F. Drew & Co., Inc.
NAPWAX, ironer wax, E. F. Drew & Co., Inc.
NASHUA, double-face flannel, Nashua Textile Co.
NASHUA, package sealing machine, Nashua Package Sealing Co.
NATCO, instantaneous indirect-fired water heaters, National Combustion Co.
NATIONAL, boiler seam protector, National Boiler Protector Co.
NATIONAL, cash registers, accounting machines, National Cash Register Co.
NATIONAL, charge soap, for charge systems, National Cleaners Chemical Mfg. Co.
NATIONAL, charge test kits for strong soap, National Cleaners Chemical Mfg. Co.
NATIONAL, driers, stretchers, drying cabinets, tumblers, National Dryer Mfg. Co.
NATIONAL, dry size, used with Stoddard solvent and perchlorethylene, National Cleaners Chemical Mfg. Co.
NATIONAL, forced air ventilating system, National System of Garage Ventilation, Inc.
NATIONAL, marking equipment, marking ink, belt conveyors, National Marking Machine Co.
NATIONAL, soot remover and rust-preventative treatment, National Chemical Sales Co., Laboratory, Inc.
NATIONAL AIROIL, oil burners and gas burners, National Airoil Burner Co.
NATIONAL LANG, listing machines, National Marking Machine Co.
NATIONAL REWEAVING SERVICE, reweaving equipment, Wonder Weavers
NATIONAL TAYPER, sealing machine, Nashua Package Sealing Co., Inc.
NATIONAL TRUCK LEASING SYSTEM, truck leasing and rental services, National Truck Leasing System
NAT-MAR-CO, marking-machines, National Marking Machine Co.
NEBULYTE, oil-gas burner, Anthony Co.
NECCHI, sewing machines, Necchi Sewing Machine Sales Corp.
NEET, printed crush-proof shirt packaging, Market Industries Co., Inc.
NEET, shirt package, Patek & Co.
NEGASTAT, anti-static agent, Phillips & Phillips Corp.
NEM-A, shirt-folding machines, J. W. Steele & Co.
NENSOL, feeder, Infilco, Inc.
NEO-TONE, sours, Diamond Alkali Co.
NEPTUNE, leather belt cement, Graton & Knight Co.
NE-TO, starch, A. E. Staley Mfg. Co.
NEUTRACIDE, sour, Lewis National Corp.
NEUTRA-LIENE, deodorant neutralizer, Davies-Young Soap Co.
NEUTRA LUSTRE, for rug cleaners, Keever Starch Co.
NEUTRA SOL, sweetening agent, Benda Products, Inc.
NEUTRASOL, synthetic detergent, Lewis National Corp.
NEUTRASUDS, flake or powder, high-titer tallow soap compound, E. F. Drew & Co., Inc.
NEUTRATEX, sour, Lewis National Corp.
NEUTRATINT, sour, Lewis National Corp.
NEUTRO, sour, Turco Products, Inc.
NEUTROGEN, sour, Lewis National Corp.
NEUTRONAP sour, E. F. Drew & Co., Inc.
NEUTROPHOR, laundry neutralizer and whitener, Carlton Chemical Co., Inc.
NEUTROSOAP, neutral laundry soap, Carlton Chemical Co., Inc.
NEUTROTONE, detergent, Endriss Chemicals, Inc.
NEVA-CLOG, stapling machine, wire staples, Neva-Clog Products, Inc.
NEVA-SLIP, pants clip, Commercial Tag Co.
NEVASTANE, lubricant, Keystone Lubricating Co.
NEVER-SLIP, collar protectors, Phoenix Products Co.
NEVERSLIP, tie hangers, Memphis Hanger Co. & Pittsburgh Hanger Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

NEVERSTRETCH, feed ribbon, Southern Mills, Inc.
NEW DEPARTURE, ball, radial and thrust bearings, New Departure, Div. General Motors Corp.
NEWHOUSE, spotting guns, brushes, counter racks, sleeve formers, press pad, spotting noses, sleeve boards, wetcleaning aprons, Newhouse Co.
NEWMAN, watchmen's clocks, Detex Watchclock Corp.
NEW-MATIC, presses, New York Pressing Machinery Corp.
NEW NO. 30 CLEANER, fur cleaner, Nycco Products Co.
NEW YORKER, drycleaning, laundry presses, New York Pressing Machinery Co.
NIAGARA, chemical, oil and water meters, Buffalo Meter Co.
NIAGARA, filter screens, Niagara Filter Corp.
NICE, ball and thrust bearings, Nice Ball Bearing Co.
NICHOLSON, strainers, floats, traps, W. H. Nicholson & Co.
NILES, steel drums, Republic Steel Corp.
9000 SERIES, steel-framed two-wheel hand trucks, Fairbanks Co.
NI-ROD, electrode for machinable welds, International Nickel Co., Inc.
NISSEN, dye and bleach resistant color-marking and writing tube, John P. Nissen, Jr., Co.
NITROX, cleaner, rust inhibitor, Solvay Process Div., Allied Chemical & Dye Corp.
NO-CHLOR, spotting agent, NU-Pro Mfg. Co.
NO-DARN, mending iron, No Darn Co.
NO-EFFORT, handkerchief and napkin press and handkerchief fluffer, American Laundry Machinery Co.
NOEX, petroleum solvent drycleaning unit, drycleaning tumbler, American Cleaners, Equipment Co., Div. American Laundry Machinery Co.
NO-FLAM-O, flameproofing for fabrics, Namco Chemical Corp.
NO-KRUSH, garment carrier, U. S. Hoffman Machinery Corp.
NOLA TOILET SOAP, soaps, Iowa Soap Co.
NO LAX, spotting agent, Warco Laboratories
NO LINT, fabric preservatives and conditioner for linen supplies, Namco Chemical Corp.
NO-LINT-WORRIES, black bags, Zuckerberg Co.
NO-MAR TREATMENT, stain and water repellent, Paper Chemicals, Inc.
NO-MIX, bundle separators, Rosenthal Mfg. Co.
NO-MIX, identification system, Checking System Co.
NOMOLD, mold preventative, H. Kohnstamm & Co., Inc.
NON-CRUSH, shirt carriages, Time Savers, Inc.
NON-FER-AL, calcium carbonate, Diamond Alkali Co.
NON-IONIC, fabric conditioner, Namco Chemical Corp.
NON-SHIFT, wire garment hanger, Para-Lux Products Co.
NON-SIPHON, boiler return system, U. S. Hoffman Machinery Corp.
NON-SKID, floor tiles, Virginia Greenstone Co., Inc.
NON X.L., water repellent, Boston Clip & Tag Co.
NORCO, meters, timers and control devices, Norman Control Co.
NORIT, activated carbon, L. A. Salomon & Bro.
NORTH STAR, fur cleaning compound, Walter Haertel Co.
NORUST, laundry sour, Washine National Sands, Inc.
NOR-WIL, press covers, asbestos covers, Norton & Williams, Inc.
NORWOOD CASCADE, washer, American Laundry Machinery Co.
NO-SNAG, laundry marking fountain pen, Cleaners Specialty Co.
NOSOK, non enzymic digester, spot remover, George E. Mead Co.
NO STARCH, fabric conditioner and finishing aid for shirt laundries, Nemco Chemical Corp.
NO-STAT, anti-static agent, Pagoda Industries, Inc.
NO-STRING MARK, tape device for flatwork presses, Rothential Mfg. Co.
NOTASTANE, lubricant, Keystone Lubricating Co.
NO-THREAD, compression fittings, Dresser Mfg. Div., Dresser Industries, Inc.
NOTRUX, mechanical loading and unloading extractor, American Laundry Machinery Co.
NOVA-TEX, dry sizing, National Cleaners Chemical Mfg. Co.
NO-VENT, boiler return system, David Stout & Sons
NUCHLOR, volatile spotter, Nu-Pro Mfg. Co.
NU-CLEANING, synthetic drycleaning unit, U. S. Hoffman Machinery Corp.
NU-COAT, glove and leather finish, National Cleaners Chemical Mfg. Co.
NU-DI, leather dye, Nu-Pro Mfg. Co.
NU-FLO, laundry sour, Johnson Chemical Industries, Inc.
NU-FLUO, economy sour, Johnson Chemical Industries, Inc.
NU-FLUO EXTRA, sour for high bicarbonate water, Johnson Chemcial Industries, Inc.
NU-HIDE, leather cleaner and softener, Signal Chemcial Mfg. Co., Inc.
NU-LUS, neutral leather dressing, Nu-Pro Mfg. Co.
NUMERETTE, hand numbering machine, American Numbering Machine Co.
NUMBER 3, 11, 33, blues, Lewis National Corp.
NUMBER 4, blue, stripper, Lewis National Corp.
NUMBER 44, blue, Minnesota Chemical Co.
NUMBER 209, general formula, R. R. Street & Co., Inc.
NU-NAP, rug cleaner, Certified Chemcial & Equipment Co.
NU-NAP PROCESS, shine removal service, Bestway Shine Removal Co., Inc.
NUODEX 87, mildew preventative, Nuodex Products Co., Inc.
NU-PAL, lint remover, Perma Products Co.
NU-PRO, ink and stain remover stick, Nu-Pro Mfg. Co.
NU-SHEEN, dyeing service, Omaha Dye Works
NUSHENE, special alkali compounds, Speare Co.
NU-SO, detergent, Nu-Pro Mfg. Co.
NU-SOL, soap builders, Thompson-Hayward Chemical Co.
NUSOLVO, spotting agent, Nu-Pro Mfg. Co.
NUSUEDE, suede finishes, Eaton Chemical & Dyestuff Co.
NU-TEX, drycleaning soap, Nu-Pro Mfg. Co.
NU-TEX-TIZE, drycleaning detergent, Nu-Life Mfg. Co.
NUTRA SUDS, neutral soap flakes, E. F. Drew & Co., Inc.
NUTROL, synthetic wetcleaner, Keystone Aniline & Chemicals Co., Inc.
NUTRONAP, sour, E. F. Drew & Co., Inc
NUTTING, floor trucks, casters, wheels, Nutting Truck & Caster Co.
NU-WAY, liquid filter soap, Davies-Young Soap Co.
NU-WEIGH, hanging clothes scale, Newhouse Co.
NU-WOOD, insulatioin board, Wood Conversion Co.
NYCCO, moth preventatives, Nycco Products Co.
NYCCO, prepared fur dyes, Nycco Products Co.
NYLCOT, laundry net, Southern Mills, Inc.
NYL-EON, nylon covers and cloth, G. S. Robins & Co.
NYLO, filter and laundry bags, press covers and cloth, X. S. Smith, Inc.
NYLO-DUK, "Hydraxtor" slings, F. H. Bonn Co.
NYLONET, knitted nylon laundry nets, Nylonet Corp.
NYLONETS, nylon laundry nets, X. S. Smith, Inc.
NYLOTEX, nylon press covers, X. S. Smith, Inc.
NYLSEW, nylon sewing thread, Heminway & Bartlett Mfg. Co.
NYTEX, press pads and covers, R. Lally Co.

O

O.I.C., all types valves, Ohio Injector Co.
O.T., laundry-drycleaning extractors, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
O & S, fuel burning systems, Orr & Sembower, Inc.
O.&U., specialty compound, Diamond Alkali Co.
OAKITE, detergents, Oakite Products, Inc.
OAKITE COMPOUND NO. 32, scale and rust remover, Oakite Products, Inc.
OAKITE PENETRANT, detergent, Oakite Products, Inc.
OAKVILLE KWIK, wire staples, Oakville Div., Scoville Mfg. Co.
OAKVILLE "T" pins—brass, handi-pins—steel, Oakville Div., Scoville Mfg. Co.
OASIS, drinking water cooler, Ebco Mfg. Co.
OBARK, leather belting, waterproof leather belting, Charlotte Leather Belting Co.
OBLITO, stain remover, H. Kohnstamm & Co., Inc.
OCCO, extractor baskets, Ohio Centrifugals Co.
OCTA-CLENE, rug cleanser, Moore's Time-Saving Equipment, Inc.
ODO-STICK, garment odor remover in stick form, Nu-Pro Mfg. Co.
OFELDT, boiler, Mears-Kane-Ofeldt, Inc.
OILITE, self-lubricating bearings, machine parts, Amplex Div., Chrysler Corp.
OIL-MIST, automatic lubrication systems, Alemite Div., Stewart-Warner Corp.
OIL-RITE, oil cups, oilers, Oil-Rite Corp.
O.K. CORN STARCH, corn starch, Hubinger Co.
OLATE FLAKES, low-titer soap, Procter & Gamble Distributing Co.
OLIN, cellophane, Olin Cellophane Div., Ecusta Paper Corp.
OLIVE C, soap, Stadham Co., Inc.
OLIVESCO, detergent, Cowles Chemical Co.
OLIVILO, toilet soaps, Allen B. Wrisley Co.
OLSENMARK, marking inks, marking machinery, stamping presses, OlsenMark Corp.
OLSON, automatic laundry washers, Olson Industries, Inc.
OLSON, pressure filters, solvent stills, Olson Filtration Engineers, Inc.
OLSON KURB SIDE, aluminum package delivery body, J. B. E. Olson Corp.
OLYMPIC, extractor, Troy Laundry Machinery Div., American Machine & Metals, Inc.
OMNI-SOUR, laundry sour, Carlton Chemical Co., Inc.
ONE-HUNDRED, synthetic solvent drycleaning unit, Columbia Appliance Corp.
ONE-LAY, shirt finishing machine, J. W. Steele & Co.
ONE SHOT, writing ink remover, Eaton Chemical & Dyestuff Co.
ONE-SPOT, scale, Toledo Scale Co.
132, starch, A. E. Staley Mfg. Co.
$1000.00 GUARANTEED, insecticides, B. Heller Co.
ON-THE-SPOT, synthetic drycleaning equipment, A. B. Temple Co.
OPALOID, buttons, Stadham Co., Inc.
OPENETS, laundry nets and fabrics, Davis Mills Inc.
OPEN-TOP, extractors, Prosperity Co., Inc.
OPERATIVE TI-ME-TER, time signals, visual, audible equipment control, Bildwell Mfrs.
OPTO-MATIC, constant lever oilers, Trico Fuse Mfg. Co.
ORIGA-FAB, sport shirt sizing, Harris Bros. Mfg. Co., Inc.
ORR, wool padding, Orr Felt & Blanket Co.
ORTHOLATE, laundry chemical, Diamond Alkali Co.
ORTHOSILICATE, detergent, Diamond Alkali Co.
ORVUS EXTRA GRANULES, synthetic detergent, Procter & Gamble Distributing Co.
ORVUS HYTEMP GRANULES, built high temperature synthetic detergent, Procter & Gamble Distributing Co.
ORVUS W. A. PASTE, wetcleaning detergent, Procter & Gamble Distributing Co.
OSOMOMETER, odor measurement device or apparatus, Odor Instruments, Inc.
OSPECO, concentrated drycleaning soap, Oil States Petroleum Co., Inc.
O SPOTTER, stain remover, H. Kohnstamm & Co., Inc.
OUTSERTS, package insert, Allied Printing & Stationery Co., Inc.
OXALATE-A, sours, Keever Starch Co.
OXYFUME, fumigant, Carbide & Carbon Chemical Corp., Unit of Union Carbide & Carbon Corp.
OZITE, insulation, laundry felt, American Hair & Felt Co.
OZONITE, built soap, Procter & Gamble Distributing Co.

P

PB, laundry marking tags, Boston Clip & Tag Co.
P.D.Q., wetcleaning detergent, Nu-Pro Mfg. Co.
P.F.S., paste filter soap, Nu-Pro Mfg. Co.
P.I.V., variable speed changers, Link-Belt Co.
P.M., built soap, Thompson-Hayward Chemical Co.
P-R, colorless paint and varnish remover, Caled Products Co., Inc.
PW, soap builder, New South Mfg. Co., Inc.
PAASCHE, airbrushes, air painting equipment, Paasche Airbrush Co.
PACE, chlorinated solvent soap, Caled Products Co., Inc.
PACIFIC, borax and sodium sesquicarbonate, Columbia-Southern Chemical Co.
PACIFIC, sour bluing, Beach Soap Co.
PACKLESS, flexible hose, couplings, Packless Metal Hose Inc.
PAINT-I-CATER, paint remover, W. F. Johnson Products Co.
PAINT-SOLV, paint remover, Huntington Laboratories, Inc.
PAISLEY, general line adhesives, Paisley Products, Inc.
PAK-AGE-KART, packaged work transporter, G. H. Bishop Co.
PAK-RITE, plastic garment bags, cedarized and plain combination bags for shirts, ties, gloves, sweaters, hats, etc., Pak-Rite Flexible Packaging Co.
PAK-TITE, compound, American District Steam Co., Inc.
PALM, palm oil soap, Swift & Co.
PALMETTO, cotton belting, Victor Balata & Textile Belting Co.
PALMOIL, soap, Rome Soap Mfg. Co.
PALM ROSE, soaps, Iowa Soap Co.
PAMCO, straight pins, Risdon Mfg. Co.
PANAREX, CO$_2$, recorder, Permutit Co.
PANTEX, drycleaning and laundry machinery, Pantex Mfg. Co.
PANTEX RHODES NATIONAL HATTER, hat blocking machine, Pantex Mfg. Co.
PANTS HORSE, trouser rack, R. B. Smith Co.
PAPER-STRUT, garment hanger, Star Service Hanger Div., L. A. Young Spring & Wire Corp.
PARACOIL, water heaters, Davis Engineering Corp.
PARAGENE, stripper, Eaton Chemical & Dyestuff Co.
PARAGON, gas engine lubricators, Lunkenheimer Co.
PARALATE, alkali compound, Diamond Alkali Co.
PARAMOUNT, garment, trouser bags, hanger covers, Mutual Paper Box Co., Inc.
PARA-SEAL, hanger cover, Para-Lux Products Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

PARAZOLE, spot remover, Eaton Chemical & Dyestuff Co.
PARIS, steam-air garment finisher, Garment Finishing Equipment Corp.
PARIS CONVERTIBLE, steam-air finishers, Garment Finishing Equipment Corp.
PARIS MASTER FINISHER, steam-air garment finisher, Garment Finishing Equipment Corp.
PARKER, industrial boilers, Sid E. Parker Boiler Mfg. Co., Inc.
PARMELEE, wrench, Walworth Co.
PAROL, special alkali compounds, Speare Co.
PAR-X, stain remover, H. Kohnstamm & Co., Inc.
PATCH MASTER, repair cloth kits, R. D. Bussard & Son
PATEXPAC, printed garment bags, shirt envelopes, Patek & Co.
PATINEX, upholstery shampoo, cleaning compound, Mortemoth Chemical Laboratories
PATINEX FURLIFE, fur shampoo, cleaning compound, Mortemoth Chemical Laboratories
PATRICK, steam iron, Lawrence M. Stein Co.
PATROL, watchmen's clocks, Detex Watchclock Corp.
PATTERSON-KELLEY, condensers, coolers, Patterson-Kelley Co., Inc.
PAWNEE, alkali soap builder, Wyandotte Chemicals Corp.
PAY-TEX, drycleaning soap for synthetic solvent systems, Patek & Co.
PAYTEXOL, oil, paint and grease remover, Patek & Co.
PC CONCENTRATE, strong soap, Huntington Laboratories, Inc.
PC 450, neutral vegetable potash soap, E. F. Drew & Co., Inc.
PEABODY, gas, oil, coal burners, air heaters, Peabody Engineering Corp.
PEARL, built soap, flake and granulated, Colgate-Palmolive Co.
PEELCOTE, protective coating for metal parts, Watson Standard Co.
PEERLESS, laundry cover cloth, two ply cover duck, Thomaston Mills
PEERLESS, nylon net, Gibraltar Fabrics, Inc.
PEERLESS, pumps, Peerless Pump Div., Food Machinery Corp.
PEERLESS, scales, Triner Scale & Mfg. Co.
PEERLESS BEACON, laundry marking tags, Boston Clip & Tag Co.
PEET, white laundry bar soap, Colgate-Palmolive Co.
PEE-VEE, lacquer remover, Riverside Mfg. Co.
PELLERIN-MILNOR, laundry, drycleaning extractors, Pellerin Milnor Corp.
PENBRITE, alkaline detergent, Pennsylvania Salt Mfg. Co.
PENETEX, detergent, Stadham Co., Inc.
PENETRO, marking ink, National Marking Machine Co.
PENETROIL, grease solvent, H. Kohnstamm & Co., Inc.
PENETRON, glue solvent, Better Packages, Inc.
PENETRONE, starch, H. Kohnstamm & Co., Inc.
PENLO, engine lubricator, Lunkenheimer Co.
PENNANT, drycleaning soap, Davies-Young Soap Co.
PENN DRAKE WASHOIL, oil treatment of linens, Pennsylvania Refining Co.
PENNSYLVANIA, tires, tubes, batteries, Pennsylvania Rubber Co.
PENOZONE, bleach, Pennsylvania Salt Mfg. Co.
PENSAL, alkaline detergent, Pennsylvania Salt Mfg. Co.
PENSAL-B, alkaline detergent, Pennsylvania Salt Mfg. Co.
PENSAL-M, alkaline detergent, Pennsylvania Salt Mfg. Co.
PENSAL-O, alkaline detergent, Pennsylvania Salt Mfg. Co.
PENSO, spotting agent, A. L. Wilson Chemical Co.
PENSUDS, wetcleaning detergent, Pennsylvania Salt Mfg. Co.
PEN-TRATE, spotting aid, Kennedy Products Co.
PENTROX, emulsifier, penetrant and stain remover, Pennsylvania Salt Mfg. Co.
PEPO, prespotter, Stadham Co., Inc.
PEPSOL, drycleaning filter soap, A. F. Wolke Co.
PER, automatic drycleaning unit, Vic Cleaning Machine Co.
PERCHLORON, bleach, Pennsylvania Salt Mfg. Co.
PERCHLOR 600, drycleaning unit, Manitowoc Engineering Corp.
PERCHLORON, bleach, Pennsylvania Salt Mfg. Co.
PER-CLAIMER, filter sludge cooker and solvent reclaimer, Per Corporation
PERCLENE, drycleaning solvent, E. I. du Pont de Nemours & Co., Inc.
PERDOX, sodium perborate monohydrate, E. I. du Pont de Nemours & Co., Inc.
PERFECT, wheat starch, Keever Starch Co.
PERFECTA, steam and air spotting gun, Florian J. Hyman
PERFECTION, corn starch, Huron Milling Co.
PERFECTION, reducing valves, American District Steam Co., Inc.
PERFECTION, white neutral soap, Beach Soap Co.
PERFECTO, synthetic powder, National Cleaners Chemical Mfg. Co.
PERFECT WHEAT, laundry starch, Keever Starch Co.
PERFEX, controls and regulators, gauges, Perfex Corp.
PERFEX, press pads, Resillo Co.
PERFUMED STARCH, starch, Gilcor Mfg. Co., Inc.
PERK, synthetic drycleaning machine, Pantex Mfg. Co.
PERKLOR, synthetic solvents, Dow Chemical Co.
PERLITE, soap builder, H. Kohnstamm & Co., Inc.
PERMAFIBER, fiber material for manufacturing laundry and drycleaning tags, Permafiber Corp.
PERMA KLEER 80, chemical water conditioner, Refined Products Corp.
PERMA-MARKER, marking kit, Wm. J. Nicholson Laboratories
PERMA-NET-MARKERS, identification tags, Speare Co.
PERMA-NETS, rubber washing nets, Speare Co.
PERMANITE, acid- and alkali-resisting flooring, Maurice A. Knight
PERMAPROOF, flameproofing agent, B. F. Goodrich Co.
PERM-A-TEX, nylon press covers, X. S. Smith, Inc.
PERMATIZED, marking tags and tape, indelible marking ink, Wm. J. Nicholson Laboratories
PERMO, flameproofing, mothproofing agent, Per-Mo Products Co.
PERMOBOND, rubber-lined tanks, pipe and pipe fittings, U. S. Rubber Co.
PERMOPAD, pads for handkerchief ironer, Resillo Co.
PERMOTEX, nylon press covers, X. S. Smith, Inc.
PERMUTIT, water softeners, filters, Permutit Co.
PERMUTIT Q, ion exchanger, water conditioner, Permutit Co.
PERONE, hydrogen peroxide, E. I. du Pont de Nemours & Co., Inc.
PERSONALIZED, garment bags, Rassenfoss Bag Co., Inc.
PERSPIR-X, perspiration remover, Paper Chemicals, Inc.
PETAL SMOOTH, starch, Clinton Foods Inc.
PETRYN, oil, paint and grease remover, Patek & Co.
PFAFF, sewing machines, Pfaff Sewing Machine Sales Co.
PHENOLITE, non-ionic synthetic soap, New South Mfg. Co., Inc.
PHILABELT PRESERVATIVE, belt dressing, Philadelphia Belting Co.
PHILCO, storage batteries, Philco Corp.
PHOENIX "SELF STICK," shirt bands, Phoenix Products Co.
PHOTOSWITCH, timers, pilots, relays, controls, Photoswitch, Inc.
PHOTRONIC, photoelectric cell, Weston Electrical Instrument Corp.
pH-PLUS, briquet alkali for water softening, Mathieson Chemical Corp.
PIAZZA, conversion unit, synthetic drycleaning systems, Piazza Engineering Co.
PICK, water heaters, Pick Mfg. Co.
PICRIN, volatile spotting compound, R. R. Street & Co., Inc.
PIEDMONT, leather belting, waterproof leather belting, Charlotte Leather Belting Co.
PIL-O-BAR, pillow renovator, Wichita Precision Tool Co., Inc.
PILOT, non-waterproof belt cement, Webb Belting & Supply Co.
PILOTRON, air-operated pilot, Bailey Meter Co.
PINETTS, safety pins for shank buttons, Oakville Div., Scoville Mfg. Co.
PINLUB, wetcleaning soap, Package Chemical Co., Inc.
PIN-O-TEX, pine oil detergent, Slater-Robbins Co., Inc.
PIOLET, buttons, Piolet Button & Novelty Corp.
PIONEER, nylon laundry nets, Benwall Mfg. Co., Inc.
PIONEER, oil cups, Lunkenheimer Co.
PIONEER, wrapping twine, Thomaston Mills
PISTON-RING, expansion joint, American District Steam Co., Inc.
PITTCHLOR, calcium hypochlorite, Columbia-Southern Chemical Corp.
PITTSBURGH, paints, Pittsburgh Plate Glass Co., Paint Div.
PITTSBURGH, wire garment hangers, Pittsburgh Hanger Co.
PIXALL, lint remover, John E. Coolidge Co.
PLANER BRAND, leather belting, Philadelphia Belting Co.
PLASTIC INSULATION, insulating cement, Mexico Refractories Co.
PLASTIC QUIK-PACH, plastic firebrick, A. P. Green Fire Brick Co.
PLASTYLON, nylon laundry nets, Carson Textile Co., Inc.
PLEASANT ODOR, fur cleaning fluid, Bernard Sirotta Co.
PLEX, digester, Patek & Co.
PLEZURE, a concentrated spotting soap, Caled Products Co., Inc.
PLIOFILM, bags for shirts, garments, blankets, etc., Clear-View Packaging Co.
PLIBRICO, jointless firebrick, incinerators, boiler setting, Plibrico Co.
PLIOJET, smoke eliminators, Plibrico Co.
PLUS, spotter (wet or dry), Adco, Inc.
POCKETEERS, pocket forms, Leef Bros., Inc.
POINT-OF-USE, insulated equipment, Remington Rand, Inc.
POLAR BEAR, fur cleaning materials and machines, Walter Haertel Co.
POLAR BEAR, fur cleaner, Nycco Products Co.
POLARIS, fur glazing cleaner, Walter Haertel Co.
POLARIZED, wholesale fur cleaning and storage, Walter Haertel Co.
POLARSUDZ, cold-water built soap, Beach Soap Co.
POLARTONE, laundry sour, G. S. Robins & Co.
POLYMARK, marking machines, Pinnacle Products Corp.
POMONA, turbine pumps, Fairbanks Morse & Co.
PONCHO, wet water repellent, Patex & Co.
PONY, laundry presses, Prosperity Co., Inc.
POOR PETER PILLOW, complete pillow cleaning service, R. Lally Co.
POPKINS, store fixtures, Popkins Fixture Co.
PORTA-PAK, autographic register, Egry Register Co.
PORTO-FAB, prefabricated buildings, Porto-Fab Co., Inc.
POSTAGE-METER, postage meter tape, Gummed Tape & Devices Co.
POW, drycleaning soap, Keystone Aniline & Chemical Co., Inc.
POWDER DISPENSER, filter powder dispenser, Powder Dispenser Co.
POWER CHARGE, strong drycleaning soap, Benda Products, Inc.
POWER CIRCLE, presses, Prosperity Co., Inc.
POWER-FLEX, underfeed stokers, Link-Belt Co.
POWER-FLOW, roof ventilator, DeBothezat Fans Div., American Machine & Metals, Inc.
POWERMASTER, package automatic boilers, Orr & Sembower, Inc.
POWERMASTER, stacker, Lewis-Shepard Products, Inc.
POWER-PAK, drycleaning detergent, Pennsylvania Salt Mfg. Co.
POWERSON, fire-fighting nozzles, American-La France-Foamite Corp.
POWER-VEYOR, permanently mounted horizontal belt conveyor, Rapid-Standard Co., Inc.
POW PLUS, dry powdered soap, Keystone Aniline & Chemical Co., Inc.
POWR PLUS, air-operated laundry presses, Pantex Mfg. Corp.
PRATT & CADY, brass and iron valves, Reading-Pratt & Cady Div., American Chain & Cable Co., Inc.
PRE CLEEN, ammoniated prespotter, Benda Products, Inc.
PREE-HEET, return systems, Fred H. Schaub Engineering Co., Inc.
PRE-MARKED STRIP TAG, solvent- and waterproof marking tags, Pre-Marked Strip Tag Co.
PREMIER, gas engine lubricators, Lunkenheimer Co.
PREMIER, laundry nets, Fablok Mills, Inc.
PREPCO, antiseptic soap, Lincoln Research, Inc.
PREPEL, water repellent, Stamford Chemical Co.
PRESET, a type of free-vane air-operated controller, Bristol Co.
PRES-GRIP, shaping and finishing wetcleaned and dyed garments, Pres-Grip Corp.
PRESMOR, nylon press covers, Tingue, Brown & Co.
PRESO, heavy prespotter, G & G Chemical Co.
PRE-SPOTTER, heavy-body prespotter, Caled Products Co., Inc.
PRESPOTTER 8, prespotter, Nu-Pro Mfg. Co.
PRESPOTTER 23, prespotter, Patek & Co.
PRESS MASTER, electric steam generator, Automatic Steam Products Corp.
PRESSTITE, flexible metal connector for modern laundry and pressing machines, American Brass Co., American Metal Hose Branch
PRESTO, self-sealing paper bands, Nashua Corp., Sure-Hold Div.
PRESTO CLEANER, press-head cleaner, Stadham Co., Inc.
PRESTOPRESS, air-operated drycleaning presses, Goldman Pressing Machine Corp.
PRIDE, washing powder, Swift & Co.
PRIMA BRAND, leather belting, Philadelphia Belting Co.
PRIME SOHP, soap, Beach Soap Co.
PRIMS COVER A BUTTON, button molds, William Prym, Inc.
PRINTWEIGH, weight printing scales, Toledo Scales Co.
PROCTOR & SCHWARTZ, automatic shampooing and drying systems for rugs, Proctor & Schwartz, Inc.
PRODUCTIMETERS, counting machines, Durant Mfg. Co.
PRODUCTO, timer, American Laundry Machinery Co.
PROMATIC, timers, General Control Co.
PROPASOL, solvent, Carbide & Carbon Chemical Corp., Unit of Union Carbide & Carbon Corp.
PROSPERITY, complete line of laundry and drycleaning equipment, Prosperity Co., Inc.
PROSPERTROL, automatic washer controls, Prosperity Co., Inc.
PROTECTO, identification systems, American Laundry Machinery Co.
PROTECTOGRAPH, checkwriters, check signers, Todd Co., Inc.
PROTECTOR, colored fabric pick-up bags, F. H. Bonn Co.
PRO-TEK, protective hand cream, E. I. du Pont de Nemours & Co., Inc.
PROTEX, toilet soap, Iowa Soap Co.
PRYM'S, garment hangers, safety pins, William Prym, Inc.
P22, hand stapler, Arrow Fastener Co.
PUF-FINISHER, puffers, steam puff irons, G. H. Bishop Co.
PULVOAX, powdered wax, Lewis National Corp.
PURATIZE, mildewproofing, Aqua-Sec Corp.
PURE-TEX, laundry bactericide, Cidex Corp.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

PURGE-O-SOL, drycleaning soap, G & G Chemical Co.
PURGO, soap builder, Minnesota Chemical Co.
PURITAN, brass pins, Oakville Div., Scoville Mfg. Co.
PURITAN, sheetings, Thomaston Mills
PURITY, soap flakes, soap, Iowa Soap Co.
PURITY, sour, Thompson-Hayward Chemical Co.
PURKETT, shakeout and conditioning tumblers, assembly reels, bins, Purkett Mfg. Co.
PURO, spotting compound, Adco, Inc.
PUR-O-CEL, filter, Proportioneers, Inc.
PURODIESEL, lubricating oils for diesel engines, Pure Oil Co.
PUROLENE, lubricating oils, Pure Oil Co.
PUR-O-SAN, drycleaning soap, Huntington Laboratories, Inc.
PURPLE EDGE, padding, Egan Cotton Mills
PYRAMID, laundry nets, R. Lally Co.
PYRAMID, liquid color stripper, Washine National Sands, Inc.
PYRATEX, lipstick, nail polish, paint remover, R. R. Street & Co., Inc.
PYRO, liquid soap, National Cleaners Chemical Mfg. Co.
PYRO, surface thermometer, Pyrometer Instrument Co., Inc.
PYROFLEX, acid and alkali resisting paints, Maurice A. Knight
PYRO-SOAP, wetcleaning soap, National Cleaners Chemical Mfg. Co.
PYROTRON, resistance thermometer, Bailey Meter Co.

Q

Q-D, spotting agent, A. L. Wilson Chemical Co.
Q & S, counter rack, Ink-O Products Co.
Q-T, heat recirculators, Kisco Boiler & Engineering Co.
Q-CHROMASTIC, veener coating for furnace walls, Quigley Co., Inc.
Q-CHROME, refractory material, Quigley Co., Inc.
Q-1, airform coat finisher, U. S. Hoffman Machinery Corp.
Q-7, drier or semi-finisher, U. S. Hoffman Machinery Corp.
Q-2, airform ladies' jacket finisher, U. S. Hoffman Machinery Corp.
QUADRA-CLENE, rug-washing machine, Moore's Time-Saving Equipment, Inc.
QUADRAFOS, water conditioner, detergent, dispersing agent, Rumford Chemical Works
QUAKER BLUE, laundry blue, Pennsylvania Salt Mfg. Co.
QUAKER IMPROVED, chlorinated lime, bleach, Pennsylvania Salt Mfg. Co.
QUALITEX, press covers, puff iron covers, sponge pads, tumbler pads, press cloths, extractor covers, filter bags, double-face flannel, Quality Products Co.
QUALITY, net pins, Key-Tag Checking System Co.
QUEEN, wire hangers, Vail Mfg. Co.
QUEEN CITY, boilers, tanks and preheaters, Queen City Engineering Co., Inc.
QUICK AID, linen fire hose, fire extinguishers, General Detroit Corp.
QUICK BREAK, break powder, Wyandotte Chemicals Corp.
QUICK ELASTIC, liquid and powdered starch, Hubinger Co.
QUICKLIFT, trucks, Lewis-Shepard Products, Inc.
QUIGLEY, fire brick, Quigley Co., Inc.
QUIK-CUT, wrapping table, Coffman Mfg. Corp.
QUIK-CUT, wrapping table, Norman Control Co.
QUIK-LOK, shirt boxes and collar supports, Century Paper Products
QUIK-PAC, laundry packaging supplies, Quik Pac Div., H. Wesley Hutchins Co.
QUIK-PACH, fire brick, A. P. Green Fire Brick Co.
QUIK-STEAM, press, Butler Mfg. Co.
QUIKTAG, laundry marking tag, Boston Clip & Tag Co.
QUIK-TEMP, heating system, Fred H. Schaub Engineering Co., Inc.
QWIK-GO, digestive agent, A. L. Wilson Chemical Co.

R

R.C.C., rug cleaning and finishing compound, soaps, Lewis National Corp.
R.C.U., rug and upholstery soap, Keystone Aniline & Chemical Co., Inc.
R.G.F., stain remover, Riverside Mfg. Co.
R-M, asbestos products, packing friction materials and rubber products, Raybestos-Manhattan, Inc.
RP, high pressure boiler, Titusville Iron Works Co., Div. Struthers Wells Corp.
RP&C, valves, Reading-Pratt & Cady Div. American Chain & Cable Co., Inc.
RSR, digestive spotting agent, Wallerstein Co., Inc.
R-x, spotter, Caled Products Co., Inc.
RAINBOW, plastic garment hangers, Henry Hanger Co. of America
RAINBOW, spotting pencils, Eaton Chemical & Dyestuff Co.
RAK-GUIDE, rack index for separating garments alphabetically, Para-Lux Products Co.
RAM, drycleaning soap, Adco, Inc.
RAMPELLENT, water repellent, Perm-Aseptic Corp.
RAMSEY, chain drive, chain drive sprockets, shaft couplings, Ramsey Chain Co., Inc.
RAMTITE, plastic refractory, Ramtite Co., Div. S. Obermayer Co.
RANAREX, combustion recorder, Permutit Co.
RANDE, metal press pads, Bergen Machine & Tool Co., Inc., Rande Unit Springs Div.
RAPID POWER BOOSTER, portable power belt conveyor, Rapids-Standard Co., Inc.
RAPID ROLLER, conveyor, Rapids-Standard Co., Inc.
RAPID-WHEEL, conveyor, Rapids-Standard Co., Inc.
RAPISTAN TABLE-VEYOR, belt conveyor to facilitate general handling of laundry bundles, Rapids-Standard Co., Inc.
RAY, oil and gas burners, pumps, Ray Oil Burner Co.
RAYBESTOS, brake lining, clutch facing, brake blocks, Raybestos-Manhattan, Inc.
RAY-METL, clutch facings, Raybestos-Manhattan Co.
RAYS, tape, Speare Box Co., Inc.
RAYS KRAFT, packaging supplies, Speare Box Co., Inc.
RAYTEN, cold-water soap, John T. Stanley Co., Inc.
READY-PACK, cast split repair sleeves, Dresser Mfg. Div., Dresser Industries, Inc.
RECEIV-O-MARKER, identification systems, Best Forms Co.
RE-CIRK-IT, circuit breakers, Heinemann Electric Co.
RECLAMITE, stain remover, H. Kohnstamm & Co., Inc.
RECORDAK, accounting machines and systems, record systems, Recordak Corp.
REC-TONE, drycleaning detergent, Riverside Mfg. Co.
RED ARROW, feed ribbon, Southern Mills, Inc.
RED CHIEF, rubber belting, Webb Belting & Supply Co.
RED EDGE, pads and padding for flatwork ironers and press machines, Knitted Padding Co.
RED FLASH, water heaters, Pick Mfg. Co.
RED & GREEN LINE, laundry fabrics, Hettrick Mfg. Co.
REDI-CUT, flannel press pads, F. H. Bonn Co.
REDILIFT, trucks, Lewis-Shepard Products, Inc.
REDI-MARK, strip tags, Pittsburgh Tag Co.
REDI-TAG, pre-printed marking tag, Larton Products Co., Inc.
RED LABEL, tallow soap, Beach Soap Co.
RED LINE, flatwork ironer aprons, Pittsburgh Waterproof Co.
RED-LINE, garment drier, Hopkins Equipment Co.
RED LINE, greases, oils, lubricants, Union Oil Co. of California
REDOTEX, neutral red oil flakes and powder, Allen B. Wrisley Co.
RED STAR, diapers, towels and toweling, George Wood Sons & Co.
RED STAR, feed ribbons, New York Belting & Packing Co.
REDUCO, liquid color stripper, Washine National Sands, Inc.
REDUCTORS, speed reducers, Boston Gear Works, Inc.
REDUX, indelible ink remover, Boston Clip & Tag Co.
RED-WHITE-BLUE, matched pants and shirts for rental uniforms, Shreveport Garment Mfg. Co.
REE-DRAPE, dry sizing and finishing compound, drycleaning, Riverside Mfg. Co.
REESCO, powdered laundry soap, Minnesota Chemical Co., Inc.
REE-TONE, drycleaning detergent, Riverside Mfg. Co.
REEVES ARMY TWILL, uniform cloth, Reeves Brothers, Inc.
REFINITE, zeolite water softeners, Elgin-Refinite, Div. of Elgin Softener Corp.
REFLEXIT, replasticizer, Patek & Co.
REGAL, engines, Ames Iron Works
REGAL, neutral synthetic detergent, Armour & Co.
REGENT, 30-pound synthetic drycleaning unit, Detrex Corp.
REGULAR SOUR, sours, Keever Starch Co.
REINTJES, dependable arches, suspended walls, Geo. P. Reintjes Co.
REKAB, powdered soap, soap chips, Minnesota Chemical Co.
RELIABLE, fur cleaning and fur storage equipment, Reliable Fur Storage Equipment Co., Div. Reliable Machine Works, Inc.
RELIANCE, a.c. and d.c. motors, motor generators, Reliable Electric & Engineering Co.
RE-LOGIK, powdered soap, Minnesota Chemical Co.
REMA, vacuum systems for presses, Rema Corp.
REMINGTON, electric typewriters, accounting and calculating machines and other office equipment and supplies, Remington Rand, Inc.
REMO, cover-cloth fasteners, rack clips, net and marking pins, trays, safety and steel pins, overall tags, Risdon Mfg. Co.
RENARDS', leather cleaning and dyeing, Renards'
RENEWO, angle, check and globe valves, Lunkenheimer Co.
RENEX, detergents, Atlas Powder Co., Industrial Chemicals Dept.
RE-NU, potash saponified resin and fatty acids, Armour & Co.
RE-NU-IT, solvent pump, Viking Pump Co.
RENUIT, liquid starch, Washine National Sands, Inc.
REO, motor trucks, Reo Motors, Inc.
REP, water repellent, R. R. Street & Co., Inc.
REPEL-O-MOTH TANK, mothproofing equipment, Repel-O-Products Div., North American Merchandising Co.
REPUBLIC, controls, instruments, Republic Flow Meters Co.
RE-PURGO, powdered soap, Minnesota Chemical Co.
RESEARCH, leather belting, Graton & Knight Co.
RESEARCH, zeolite, Research Products Corp.
RESILLO, press pads, Resillo Co.
RESINTEX, nylon press cloths and press covers, Gibraltar Fabrics, Inc.
RESISTI-CAL, weather-proofing product, Caled Products Co., Inc.
RESISTO, industrial marking ink, National Marking Machine Co.
RESIZET, sizing, Takamine Laboratory, Inc.
RESSYN, zeolite, Hungerford & Terry, Inc.
RESTORTEX, liquid sizing, National Cleaners Chemical Mfg. Co.
RESYN ADHESIVES, glues, gums, sizings, starches, National Starch Products, Inc.
RETRON, flatwork ironer, American Laundry Machinery Co.
REVERE, copper and brass, Revere Copper & Brass, Inc.
REVERE SHOWMASTER, floodlights and lighting equipment, Revere Electric Mfg. Co.
RE-VI, water repellents, Davies-Young Soap Co.
REVOLITE, laundry roll covers, padding press covers, Atlas Powder Co., Revolite Div.
REX, soluble liquid drycleaning soap, Davies-Young Soap Co.
REX-FLEX, metal hose, Flexonics Corp.
REX-TITE, heat-proof reattachable couplings, Flexonics Corp.
REX-TUBE, flexible metal hose, Flexonics Corp.
REX-WELD, metal flexible hose, tubing, Flexonics Corp.
REZ, charged soap solvent conditioner, U. S. Mining Corp.
REZ, sweetening, purifying agents, charged system, L. A. Salomon & Bro.
REZEX, resinous zeolite, Elgin-Refinite, Div. of Elgin Softener Corp.
REZISTAL, stainless steel, Crucible Steel Co. of America
R-51, drycleaning unit, Shields Engineering & Mfg. Co.
R-51A, drycleaning unit, Shields Engineering & Mfg. Co.
R. H. CONTROL, electronic drycleaning relative humidity control, Adrian Research & Chemical Co.
RHINAMEL, heavy duty enamel, Tropical Paint & Oil Co.
RIBBON DELUXE, cotton ribbon, Milwaukee Printed String Co.
RIBBON RITE, marking machine, Textile Marking Machine Co., Inc.
RICE'S, paint products, Barreled Sunlight Paint Co.
RIDDAX, special alkali compound, Wyandotte Chemicals Corp.
RIMACO, size, stripper, wetcleaning soap, Riverside Mfg. Co.
RIMACO GENERAL FORMULA, ink and stain remover, Riverside Mfg. Co.
RINK-L-FREE, garment distributor, Time Savers, Inc.
RINTEX, soap and alkali compound, Wyandotte Chemicals Corp.
RISDON, cuff fasteners, marking flags and targets, Risdon Mfg. Co.
RISOGRAN, powdered soap, Allen B. Wrisley Co.
RIVERSIDE, wet spotter, carpet shampoo, stripper, Riverside Mfg. Co.
ROADOL, paint, oil and grease remover, Package Chemical Co., Inc.
ROADOL L, wet spotter, Package Chemical Co., Inc.
ROBERTS, numbering machine, Roberts Numbering Machine Co.
ROBERTS, press boards, Roberts Mfg. Co.
ROBINETS, laundry nets, G. S. Robins & Co.
ROBINS, acetic sour, G. S. Robins & Co.
ROBOT, self-contained automatic washers, Robot Laundry Machinery Sales, Div. Wolf Co.
ROCCAL, germicide, Sterwin Chemicals, Inc.
ROCKET, laundry presses, Troy Laundry Machinery Div., American Machine & Metals, Inc.
ROCKET-PER, synthetic solvent drycleaning unit, Vic Cleaning Machine Co.
ROCKWEAVE, laundry textiles, aprons, cover and filter cloth, double-face flannel laundry nets and wrapping twine, Callaway Mills, Inc.
RO-FLO, air compressors, vacuum pumps, Allis-Chalmers Mfg. Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

ROK-RIB, laundry nets, Whitehouse Products, Inc.
ROLA-RUG, rug rolling and packaging machines, Lincoln Products, Inc.
ROLLERVEYOR, roller conveyor, Mechanical Handling System, Inc.
ROLL-ON-SEAL, gummed tape dispensers, Roll-on-Sealer Co.
RONAFLEX, elastic synthetic tubing with woven metal wire cover, Ronaflex Tubing Co., Inc.
RO-NOR, stain remover, H. Kohnstamm & Co., Inc.
ROOFKOTER, roof material, Tropical Paint & Oil Co.
ROOT BAGGER, garment bagger, Huebsch Mfg. Co., Div. American Laundry Machinery Co.
ROSS, solvent coolers, heat exchangers, Kewanee-Ross Corp.
ROTAIRE, conditioning tumbler, American Laundry Machinery Co.
ROTAY, condensation meters, American District Steam Co., Inc.
ROTARY, soot blower, Marion Machinery Foundry & Supply Co.
ROTEX, drycleaning extractor, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
ROTH, boiler feed units, pumps, Roy E. Roth Co.
ROTO BRUSH, electric upholstery shampoo machine, Certified Chemical & Equipment Co.
ROTO-KLEEN, filter, Bowser, Inc.
ROTO-MATIC, rotating laundry process units, Unipress Co.
ROUND "B," steel boiler, coal, oil, gas stoker, Kewanee Boiler Corp.
ROUND THE BUTTON, shirt-ironing press pads, Resillo Co.
ROYAL, brass safety pins, Risdon Mfg. Co.
ROYAL, medium titer, coco-tallow chip, neutral soap, Armour & Co.
ROYAL, rubber hose, rubber belting, U. S. Rubber Co.
ROYAL CALENDER, cylinder type flatwork ironer, American Laundry Machinery Co.
ROYAL OAK, leather belting, Webb Belting & Supply Co.
ROYAL PINE, soaps, Iowa Soap Co.
ROYAL WORCESTER, lace leather, Graton & Knight Co.
RP NO. 757, stain remover, H. Kohnstamm & Co., Inc.
RUBBER BASE, primer sealer, Tropical Paint & Oil Co.
RUBBER CITY, roofing materials, Rubber City Mfg. Co.
RUBEROID, built-up roofing materials, Ruberoid Co.
RUBINOFF, tags, certificates, guarantees and supplies, M. Rubinoff, Inc.
RUGGLO, rug cleaning soap, Merson Products Co.
RUG-IT, rug cleaning detergents, Certified Chemical & Equipment Co.
RUG-O, rug and carpet soap, Davies-Young Soap Co.
RUSKO, water conditioner, Wyandotte Chemicals Corp.
RUST BAR, paint, rust preventative, Midland Paint & Varnish Co.
RUST-E-LIM, rust remover, Johnson Chemical Industries, Inc.
RUSTEX, sour, Hood Chemical Co., Inc., Crescent Div.
RUSTEZE, rust solvent, Hood Chemical Co., Inc., Crescent Div.
RUST-GO, rust remover, A. L. Wilson Chemical Co.
RUSTICK, rust remover, National Cleaners Chemical Mfg. Co.
RUSTICON 88, rust preventative, Philadelphia Quartz Co.
RUSTIKOTE, rust preventative, Tropical Paint & Oil Co.
RUSTYRASE, rust remover, Hachik Bleach Co.

S

S-A, anti-sulfuric-acid valves, Lunkenheimer Co.
S.F.B., wetcleaning soap, E. F. Drew & Co., Inc.
S.I.S., roofing, Barrett Div., Allied Chemical & Dye Corp.
SOH, low-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.
SP, high-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.
S-R, spotter for brown and yellow stains, Caled Products Co., Inc.
SABIN, glove cleaning machines, Sabin Machine Co.
SACO, speed reducers, Stephens-Adamson Mfg. Co.
SACON, belt conveyor carriers, Stephens-Adamson Mfg. Co.
SAFE KUTTERS, cord knife, Time Savers, Inc.
SAFE-TIE ANCHORS, refractory anchors, Ramtite Co.
SAFE-T-SOL, dry oil, paint and grease remover, Patek & Co.
SAFE-T-THRIFT, safety solvent unit, Butler Mfg. Co.
SAFETY, diapers, Sani-Top Co.
SAFETY LINEN, sour, Diamond Alkali Co.
SAF-T-MARK, marking tags, Stry-Lenkoff & Co.
SAGER SPREADERS, flatwork spreaders, M. A. Pocock
SAK-RAK, bag holder, pre-marking containers, cloth bags, Sak-Rak Co.
SALVE-O-LIN, skin salve, Keystone Aniline & Chemical Co., Inc.
SAMOSET, soap, Lewis National Corp.
SAMSON, packing, U. S. Rubber Co.
SAMSONMITE, filter bags, feather bags, extractor covers, soap whips, starch whips, tumbler pads, Manitowoc Cotton Goods Mfg. Co.
SANA-FILTER, low-pressure, filter-type soap, Huntington Laboratories, Inc.
SANA-SIZE, sizing, Huntington Laboratories, Inc.
SANEX, dry, neutral mothproofing agent for use in the wheel, Signal Chemical Mfg. Co., Inc.
SANICO, drycleaning soap, Dello Products Co.
SANI-MATIC, brush-spotting machine, Sani-Matic Brusher
SANI-SOUR, antiseptic, all-purpose sour, Keever Starch Co.
SANITEX, baskets, trucks, bags, C. B. Daniels, Inc.
SANITONE, drycleaning process, Emery Industries, Inc., Sanitone Div.
SANITONE MC, mothproof, Emery Industries, Inc., Sanitone Div.
SANITONE NA, neutralizing agent, Emery Industries, Inc., Sanitone Div.
SANITONE SS, silk size, Emery Industries, Inc., Sanitone Div.
SANITONE WR, water repellent, Emery Industries, Inc., Sanitone Div.
SANI TOP, diaper cans, diaper pails, deodorants, Sani-Top Co.
SANI-TYPE, heat reclaimer, Patterson-Kelley Co., Inc.
SANI-WHITE, bleach, G. S. Robins & Co.
SAPOTEX, soap compound, G. S. Robins & Co.
SAPPHIRE, stripper and stain remover, Lewis National Co.
SARCO, steam traps, temperature regulators, Sarco Co., Inc.
SARCOCIDE, sour, Slater-Robins Co., Inc.
SARCO-CONCENTRATE, paint and grease remover, Slater-Robbins Co., Inc.
SARCO-MIST, moth spray, Slater-Robbins Co., Inc.
SARCOSTAT, motor-operated valve, Sarco Co., Inc.
SARCO-SOL, paint and grease remover, Slater-Robbins Co., Inc.
SARCO-TEX, wetcleaning detergent, Slater Robbins Co., Inc.
SATINETTE, combination starch, Keever Starch Co.
SAV-A-LOAD, extractor covers, F. H. Bonn Co.
SAVO, 92% powder soap, John T. Stanley Co., Inc.
SAVONOL, wet spotter, Patek & Co.
SAVOY, zippers and zipper parts, B. & G. Lieberman Co.
SAXMAYER, tying machines, National Bundle Tyer Co.
SCALE-I-CATER, boiler compound, W. F. Johnson Products Co.
SCHAUB, boiler feed and condensation return systems., Fred H. Schaub Engineering Co., Inc.
SCHRAMM, air compressors, Schramm, Inc.
SCIENTIFIC, boiler water treatment, Scientific Boiler Water Conditioning Co.
SCOTCH-MUND, boilers, Mund Boilers, Inc.
SCOTSMAN, washers, Ayr-Mor Machinery Co., Inc.
SCOTTIE, JR., high-pressure riveted boilers, Kewanee Boiler Corp.
SCRAM BLOOD, spotting agents, Warco Laboratories
SCRUB, spot remover, Starr Soap & Chemical Co., Inc.
SCRUB-O-MATIC, garment scrubber, Hopkins Equipment Co.
SD-130, drycleaning tumbler, Hoyt Mfg. Corp.
SEABLUE, blue, Speare Co.
SEA FOAM, soap powder, Colgate-Palmolive Co.
SEALED POWER, totally enclosed fan-cooled motors, Crocker-Wheeler Electric Mfg. Co., Div. Joshua Hendy Iron Works
SEAL MASTER, ball bearings, Stephens-Adamson Mfg. Co.
SEAL SILICATE, silicate adhesive, Philadelphia Quartz Co.
S.E.B. CONCENTRATED, silk and wool soap, E. F. Drew & Co., Inc.
SEC, synthetic drycleaning unit, Sec-O-Matic Corp., Div. International Projector Corp.
SEC-CLEANIZED, drycleaning process, Sec-O-Matic Corp., Div. International Projector Corp.
SECCO, dry water repellent, Patek & Co.
SEC-O-MATIC, synthetic solvent drycleaning unit, Sec-O-Matic Corp., Div. International Projector Corp.
SEC-O-MISER, solvent recovery unit, Sec-O-Matic Corp., Div. International Projector Corp.
SECTOFOG, moth protection by fogging, Fumol Corp.
SECURITY, marking pins, Risdon Mfg. Co.
SECURITY A-1, lusterizing formula, fur glaze aerosol type, Security Fur Seal Co., Inc.
SEE-SAFE, plastic storage and blanket bags, Mehl Mfg. Co.
SELF-SEAL, adhesive shirt bands, National Paper Band Co.
SELF SERVICE ASSEMBLY, F. W. I. padding (nylon & cotton), Gibraltar Fabrics, Inc.
SELF-STICK, shirt bands, Phoenix Products Co.
SELLERS, steam boilers, open return systems, Sellers Engineering Co.
SENECA, soap, Lewis National Corp.
SENIOR, lubricators, Lunkenheimer Co.
SENSIMATIC, accounting machines, Burroughs Adding Machine Co.
SENSITROL, relay, Weston Electrical Instrument Corp.
SENTINEL, oil cup, Lunkenheimer Co.
SEPTO, sour, Diamond Alkali Co.
SEQUESTRENE, water softener, Alrose Chemical Co., Div. Geigy Chemical Corp.
SERDEX, gaugrs, solvent humidity control, Serdex & Co.
SERVIS RECORDER, time and truck recorders, Service Recorder Co.
SESQUILATE, laundry detergent, Diamond Alkali Co.
7-B, synthetic drycleaning unit, Prosperity Co., Inc.
1707, blue, H. Kohnstamm & Co., Inc.
727, curtain and blanket wetcleaning product for wheel washing, Caled Products Co., Inc.
722, rug and carpet soap, Caled Products Co., Inc.
SHAMROCK, canvas baskets, hampers, trucks, Meese, Inc.
SHAN-ELL, printed cellophane bags, laundry packaging supplies, Ellenbogen & Shannon, Inc.
SHAW, collar edger, Reed Mfg. Co.
SHEDITE, waterproof belt cement, I. B. Williams & Sons
SHEER-MAGIC, drycleaning size, Ellenbogen & Shannon, Inc.
SHELBY, tubing, National Tube Co.
SHELF-TYPE, trucks, Market Forge Co.
SHELL, naphtha, stain remover, Shell Oil Co., Inc.
SHELL-SOL, naphtha, petroleum solvent, Shell Oil Co., Inc.
SHELL TOX, insecticide, Shell Oil Co., Inc.
SHERWIN-WILLIAMS, paints, varnishes, enamels, lacquers for maintenance purposes, Sherwin-Williams Co.
SHIELDS, drycleaning unit, Shields Engineering & Mfg. Co.
SHINE BRIGHT, liquid scrubbing soap, Hild Floor Machine Co.
SHIPSAFE, bags, Lanning Bag & Specialty Co.
SHIRLAN, textile fungicides, E. I. du Pont de Nemours & Co., Inc.
SHIRTAINER, shirt packaging, Loroco Industries, Inc.
SHIRT BIN, for conveying shirts, J. W. Steele & Co.
SHIRT CHUTE, metal chute for shirt handling, Rosenthal Mfg. Co.
SHIRT PAX, combination shirt board, collar support and box, Package Masters, Inc.
SHIRTRANSPORT, shirt transporter, G. H. Bishop Co.
SHIRT TRUX, steel shirt bins, Time Savers, Inc.
SHIRT-V-LOPE, printed cellophane shirt bag, Lee Converters, Inc.
SHOO, odor destroyer, Caled Products Co., Inc.
SHOWERFEED, floor, rug and carpet scrubbing machines, Hild Floor Machine Co.
SHOWER-PRUF, water repellent, Adco, Inc.
SHREDDED, 85% flake soap, John T. Stanley Co., Inc.
SIBUR, mothproofing agent, Sibur Mothproofing Co.
SIDE AISLE, truck bodies, Montpelier Mfg. Co.
SIEBRING, electromatic steam boiler, Siebring Mfg. Co.
SIGNAL, flameproof, insecticide, Signal Chemical Mfg. Co.
SILENT SERF, portable vacuum cleaner, Certified Chemical & Equipment Co.
SIL-EX, black metal washer, Gross Machinery Co., Inc.
SILICON, spun nylon press cover, Phoenix Supply Co.
SILIC-O-NECTIC, time delay relays, Heinemann Electric Co.
SILKANWOOL, silk and wool soap, North Coast Chemical & Soap Works
SILTEX, FLAKES, medium-titer soap, Allen B. Wrisley Co.
SILVER-KOTE, lacquer, Pittsburgh Waterproof Co.
SILVER LABEL, hatters equipment and supplies, National Hatters Supply Co.
SILVER LEAF, nets, Southern Mills, Inc.
SILVERLINK, roller chains, sprockets, Link-Belt Co.
SILVERSEAL, colored specialty tapes, Gummed Tape & Devices Co.
SILVERSHINE, galvanized garment hangers, U. S. Metals Corp.
SILVERSTREAK, silent chain drives, Link-Belt Co.
SILVERTEEN, wire hangers, Academy Hanger Co., Inc.
SILVERTINE, straight, safety pins, Vail Mfg. Co.
SILVERTOP, steam trap, V. D. Anderson Co.
SIMMONS, cuff and tag tacking machines, Simmons Machine Co.
SIMMONS ELECTRO-MEND, mending and patching machines, Simmons Machine Co.
SIMPLEX, break powder, H. Kohnstamm & Co., Inc.
SIMPLEX, laundry tumblers, extractors and washers, flatwork ironers, drycleaning tumblers, Ironer Div., Speed Queen Corp.
SIMPLEX, office machines, time recorders, Simplex Time Recorder Co.
SIMPLEX, oil burners, Simplex Oil Heating Corp.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

SINGER, sewing machines, accessories, Singer Sewing Machine Co.
SIPON, wetcleaning detergent, American Alcolac Corp.
SIRCO, tropical nut shells for fur cleaning, Bernard Sirotta Co.
SIRCO FUME, liquid fumigating gas. Bernard Sirotta Co.
6-T, benzine soap, Midland Color & Chemical Co.
630, paste type dryclaning soaps for caustic or distillation clarification systems, Caled Products Co., Inc.
60 SECOND, solvent, Superior Products Co.
SIZE, water-soluble size finish, Davies-Young Soap Co.
SIZE-ALL, liquid sizing, Keystone Aniline & Chemical Co., Inc.
SIZEOFF, enzymic desizing agent, Takamine Laboratory, Inc.
SIZ-IN, hat sizing, Greenville Chemical Co.
SKELLYSOLVE, petroleum solvents, Skelly Oil Co.
SKIRT KLIPS, skirt clips, West Side Corp.
SKORTEX, wetcleaning compound, Wyandotte Chemicals Corp.
SKY ROCKET, extractors, Hammond Laundry-Cleaning Machinery Co.
SKYTINT, liquid laundry blue, Kliegman Bros., Inc.
SLACKS SAKS, trouser bags, Phoenix Products Co.
SLICKER, brushes, American Pressboard Co., Inc.
SLIP EASY BRAND, motor oil, boiler and roofing materials, Riverside Chemical Co., Inc.
SLIP-IN, collar protectors, Phoenix Products Co.
SLIP-KNOT, belt dressing, Webb Belting & Supply Co.
SLIP-NOT, special tanned leather belting, Milwaukee Leather Belting Co.
SLIP-ON, hanger shields, Academy Paper Box Co.
SLIP-ON, hanger shields, Larton Products Co., Inc.
SLIP-ON, sleeve press covers, F. H. Bonn Co.
SL-230, tumbler, laundry, rug & carpet, Hoyt Mfg. Co.
SLYDE-OUT, washer, Troy Laundry Machinery Div., American Machine & Metals, Inc.
SMASH, break powder, Minnesota Chemical Co.
SMOOTH-TEX, press cloth, feed ribbons, Pittsburgh Waterproof Co.
SNAG-PRUF, zippers, Snag-Pruf Corp.
SNA-PON, trouser guards, Tillery Container Co.
SNAP-TITE, cover-cloth clamp, J. W. Steele & Co.
SNO MUD CHIEF, truck tires, Mohawk Rubber Co.
SNOWFINE CRYSTALS, alkali cleanser, Solvay Process Div., Allied Chemical & Dye Corp.
SNOWFLAKE CRYSTALS, sodium sesquicarbonate, Solvay Process Div., Allied Chemical & Dye Corp.
SOAP-O-MATIC, soap dispenser, Hopkins Equipment Co.
SOAPRITE, soap, Lewis National Corp.
SOFTEE, pressure and vacuum filters, Hammond Laundry-Cleaning Machinery Co.
SOFTEY, diapers, Sani-Top Co.
SO-GO, wetcleaning soap, A. L. Wilson Chemical Co.
SOILSORB, rag and overall detergent, Cowles Chemical Co.
SO-KLEEN PENETRANT, drycleaning detergent, Merson Products Co.
SO KLEEN SY, synthetic drycleaning soap, Merson Products Co.
SOLAR, laundry, rug, carpet and wetcleaning soaps, Swift & Co.
SOLARINSE, optical whitener, Carlton Chemical Co., Inc.
SOLARSUDS, detergent, Carlton Chemical Co., Inc.
SOLBLUE, blue, Speare Co.
SOL BREAK, break powder, Lewis National Corp.
SOLBUMEN, spotting agent, Eaton Chemical & Dyestuff Co.
SOLGON, paint remover, Lewis National Corp.
SOLID CURB, laundry, drycleaning extractors, American Laundry Machinery Co.
SOLIT-AYR, washers, tumblers, extractors, Ayr-Mor Machinery Co., Inc.
SOLIVE, soaps, Lewis National Corp.
SOLOZONE, sodium peroxide, E. I. du Pont de Nemours & Co., Inc.
SOL-SIL-ATE, alkali soap builder, Lewis National Corp.
SOL-SIL-ATE, special alkali compounds, Speare Co.
SOL SOUR, sour, Lewis National Corp.
SOL SUDS, soap, Lewis National Corp.
SOL-TEMP, solvent temperature control unit, Benton Bros.
SOLTEX, drycleaning detergent, Riverside Mfg. Co.
SOLUBON, textile dyeing assistants, American Aniline Products, Inc.
SOL-U-LUBE, neutral lubricant, Huntington Laboratories, Inc.
SOL-U-NESE, dry and wet spotter, Huntington Laboratories, Inc.
SOL-U SOAP, drycleaning soap, Huntington Laboratories, Inc.
SOLV-AIRE, synthetic solvent recovery unit, New England Trawler Equipment Co.
SOLVATONE, solvent, Carbide & Carbon Chemical Corp., Unit of Union Carbide & Carbon Corp.
SOLVATROL, drycleaning unit, Shields Engineering & Manufacturing Co.
SOLVENIZED, tire rebuilding and repair material, Mohawk Rubber Co.
SOLVENT SAVER, solvent recovery unit, Vic Cleaning Machine Co.
SOLVENT-STILL, distills synthetic solvents, Detrex Corp.
SOLVEX, spotting agent, Spix Products Co.
SOL-VIC, drycleaning unit for use with petroleum solvent, Vic Cleaning Machine Co.
SOLVINK, ink, paint, rust, blood stain remover, Greenville Chemical Co.
SOLVINOL, spotting soap, Keystone Aniline & Chemical Co., Inc.
SOLV-O-MARK, indelible marking pen, Mark-O Corp.
SOLVO-MISER, solvent recovery unit, Hoyt Mfg. Corp.
SOL-VO-RUST, sour, Thompson-Hayward Chemical Co.
SOLZYME, digestive agent, Lewis National Corp.
SOME'S, uniforms, badges, embroidered emblems, Some's Terminal Uniforms
SONOMOR, safety and straight pins, wire garment hangers, William Prym, Inc.
SORBIT, wetting agent, Alrose Chemical Co.
SOURFLO, laundry sour, Wyandotte Chemicals Corp.
SOURTEC, sour, Wyandotte Chemicals Corp.
SOUTHDOWN, diapers, George Wood, Sons & Co.
SOUTHEASTERN, laundry textiles, Southeastern Textile Co.
SOUTHERN COLONEL, sponge press pads, Southern Mills, Inc.
SOUTHLAND, cellophane bags, Southland Enterprises
SOVASOL 5, Stoddard petroleum solvent, Socony-Vacuum Oil Co., Inc.
SOVASOL 140, petroleum safety solvent, Socony-Vacuum Oil Co., Inc.
SOYDOL, soap concentrate, A. F. Wolke Co.
SPACEMASTER, stacker, Lewis-Shepard Products, Inc.
SPAN, emulsifier wetting agent, Atlas Powder Co., Industrial Chemicals Dept.
SPARKETTE, detergent, Pennsylvania Salt Mfg. Co.
SPARKLE, chlorophyll deodorant concentrate, American Mothproofing Co.
SPARKLE, drycleaning soap, Starr Soap & Chemical Co., Inc.
SPARKLEAN, drycleaning detergent, Cidex Corp.
SPARKOLOR, detergent emulsifier, Cidex Corp.
SPARTAN, flat and block leather V belt, leather packings, Graton & Knight Co.
SPARATAN, nets, Egan Cotton Mills
SPEARE'S, blues, Lewis National Corp.
SPECIAL EXTRACTOR, leather belt, Webb Belting & Supply Co.
SPECIAL FINISH, starch, A. E. Staley Mfg. Co.
SPECIAL IRONER OIL, cleans, polishes and lubricates flatwork ironers, College Chemcial Co.
SPECIAL PER, hot synthetic drycleaning unit, Vic Cleaning Machine Co.
SPECIAL SOUR, laundry sour, Keever Starch Co.
SPECIALTY, garment bagging device, Specialty Devices Co.
SPEED-BAGGER, bagging device, Para-Lux Products Co.
SPEEDEE, drying cabinets, Hammond Laundry-Cleaning Machinery Co.
SPEE-DEE, paint and grease remover, Adco, Inc.
SPEEDEX, extractor, Zephyr Laundry Machinery Co.
SPEEDIE, automatic tape sealing machine, Time Savers, Inc.
SPEED-FIBRE, day tags, Market Industries Co., Inc.
SPEEDISETS, sales and record forms, Moore Business Forms, Inc.
SPEED KING, tumblers, Hammond Laundry-Cleaning Machinery Co.
SPEEDLIFT, trucks, Lewis-Shepard Products, Inc.
SPEEDMASTER, rug scrubber, Certified Chemical & Equipment Co.
SPEEDMASTER, stackers and portable elevators, Lewis-Shepard Products, Inc.
SPEEDPLUS, filter powder, Dicalite Div., Great Lakes Carbon Corp.
SPEED SET, variable numbering machines, American Numbering Machine Co.
SPEEDS-IT, prespotter, G. & G. Chemical Co.
SPEEDSTER, extractor, washers, Prosperity Co., Inc.
SPEEDUX DIPMASTER, water-repellent dip tanks, Devere Co.
SPEED-VAN, delivery trucks, Linn Coach & Truck Div., Great American Industries, Inc.
SPEEDWAY, all-purpose spray type spotter and stain remover, Speedway Chemical Co.
SPEEDWAY, washer, tumblers, starch cookers, truck tubs, Industrial Laundry Machinery Co., Inc.
SPEEDY, washers, driers, water heaters, drycleaning machines, Speedy Washer Mfg. Co.
SPEEDYLECTRIC, steam generators, Livingstone Engineering Corp.
SPEEDY-SET, automatic lock bottom carton, Cornell Paperboard Products Co.
SPHERO, iron ball valves, Fairbanks Co.
SPHINX, starch, Arabol Mfg. Co.
SPIRO, steam hot water heaters and nursers, David Stout & Sons
SPIX, prespotter, drycleaning and suede soap, hand cream, Spix Products Co.
SPORTFOLIOS, sport shirt package, Package Masters, Inc.
SPORT PAX, window envelope for packaging of sport shirts, Time Savers, Inc.
SPORTLIGHT, sport-shirt folding board, Key-Tag Checking System Co.
SPORT SHIRT, press unit, American Laundry Machinery Co.
SPORTSTER, shirt folder, Time Savers, Inc.
SPOTLESS, paste drycleaning soap, National Cleaners Chemical Mfg. Co.
SPOTLESS CHLOROFORM, substitute for chloroform, Slater-Robbins Co. Inc.
SPOTLESS SIZE, synthetic sizing, Slater-Robbins Co. Inc.
SPOTOUT, spotting aids, Kennedy Products Co.
SPOTS-GO, spotting agent, paint, oil and grease remover, A. L. Wilson Chemical Co.
SPOTTERS FRIEND, wet spotter, Smith Bros. Co.
SPOT-X, prespotter, Huntington Laboratories, Inc.
SPRAY DREST, liquid spray finish for suedes or smooth leathers, Caled Products Co., Inc.
SPRAY-MASTER, spray gun, Cleaners Specialties Supplies Co.
SPRAY MIX, coating refractory, Mexico Refractories Co.
SPUNYLON, nylon net, Carson Textile Co., Inc.
SPURT, blood remover, Patek & Co.
SQUARE-HEAT, steel boiler, coal, oil, gas stoker, Kewanee Boiler Corp.
SQUIRES, reducing and registering valves, C. E. Squires Co.
SS COMPOUND, washing compounds, Lewis National Corp.
STABILON, textile dyeing assistants, American Aniline Products, Inc.
STACK-EM, hanger rack, Time Savers, Inc.
STACKRITE, flatwork stacker, American Laundry Machinery Co.
STA-DAMP, plastic basket liners, Zuckerberg Co.
STADLUBE, starch lubricant, Stadham Co., Inc.
STAD-SPUN, spun treated nylon cloth, Stadham Co., Inc.
STADTAPE, flatwork ironer tape, Stadham Co., Inc.
STAD-TEX, treated nylon cloth, Stadham Co., Inc.
STADWAX, ironer oil, powedered wax, Stadham Co., Inc.
STAG BRAND, press covers, aprons, bags, feed ribbons, Pittsburgh Waterproof Co.
STAGG, spotting aids G & G Chemical Co.
STAIN-A-WAY, oxidized-stain remover, Warco Laboratories
STAINEX, laundry sour, Keever Starch Co.
STAIN-O-GO, spot remover, Dello Products Co.
STAIZ, collar supports, Time Savers, Inc.
STANCO-A, blues, sours, Keever Starch Co.
STANDARD, laundry, drycleaning machinery, Standard Laundry & Cleaning Machinery Co.
STANDARD, pin carrier, Keyes-Davis Co.
STANDARD, press pads, Resillo Co.
STANDARD, record system, Standard Register Co.
STANDARD, shirt sorting bin on casters, Time Savers, Inc.
STANDARD, shirt unit, Prosperity Co., Inc.
STANDARD, valves, W. M. Chace Co.
STANDARD FLAKE SOAP, NO. 1, soap, Standard Soap Co. of Camden
STANDARD KING, net pins, Keyes-Davis Co.
STANDATROL, air-operated relay, Bailey Meter Co.
STANDCO, speed indicators, techometers, Herman H. Sticht Co., Inc.
STAND-EZE, floor mat, Colonial Rubber Co.
STAN-O-MATIC, petroeum and synthetic drycleaning units; petroleum washer-extractor combination, Standard Laundry & Cleaning Machinery Co., Inc.
STANORUST, rust preventative, Standard Oil Co.
STANOX, hot-water built soap, John T. Stanley Co., Inc.
STANSO, cleaning chemicals, detergents, Standard Soap Co. of Camden
STANSO TEX OIL, sulphonated oils, turkey red oil, Standard Soap Co. of Camden
STANTEX, press and cover cloth, John T. Stanley Co., Inc.
STA-NU PROCESS, fabric-renewing compound introduced through steam line, Sta-Nu Corp.
STAPEX, starch, A. E. Staley Mfg. Co.
STAPL-TITE, marking tags, Liberty Marking Tag Co., Inc.
STARCHTEX, starch lubricant, Lewis National Corp.
STAR DOWN, diapers, George Wood, Sons & Co.
STA-RITE, collar supports, shoulder shields, trouser guards, tie holders, industrial aprons, Hodge, Farwell & Co.
STARR-BRITE, wetcleaning soap, Starr Soap & Chemical Co.
STAR SERVICE, wire hangers, Star Service Hanger Div., L. A. Young Spring & Wire Corp.
STARTEX, break compound, H. Kohnstamm & Co., Inc.
STATICOL, static control, drycleaning, R. R. Street & Co., Inc.
STAY-FRESH, finishing process, Stay-Fresh Corp.
STAY-PUT, adhesive collar stays, Story Mfg. Co.
STAZUP, collar supports, Alfred J. Brooks
STEAM-AIRE, garment finishers, Pantex Mfg. Corp.
STEAMAIRE, unit heater, Young Radiator Co.
STEAMASTER, boilers, return systems, Steamaster Automatic Boiler Co.
STEAM BOILER PLANT, boilers, Eclipse Fuel Engineering Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

STEAM-FLEX, press connectors, Flexonics Corp.
STEAM FLOW, pads, Resillo Co.
STEAM FLOW, rubber press pad, Newhouse Co.
STEAMIN STEVE, portable electric steam generator, Electric Steam Boiler Sales, Div. Wolf Co.
STEAM-PAK, packaged steam generators, York-Shipley, Inc.
STEAMTITE, flexible metal connector for laundry and pressing machines, American Brass Co., American Metal Hose Branch
STEELCOTE, paint varnishes, waterproofing, Steelcote Mfg. Co.
STEELCURB, laundry extractor, U. S. Hoffman Machinery Corp.
STEELE BIN, shirt carrier, J. W. Steele & Co.
STEELE GLIDER IRON, electric iron, J. W. Steele & Co.
STEELELOX, self-locking shirt band, J. W. Steele & Co.
STEEM, neutral lubricant for steam spotting, Caled Products Co., Inc.
STEEM-ATIC, vertical water tube boiler, Kisco Boiler & Engineering Co.
STEIN, add-a-section finishers' tables, Lawrence M. Stein Co.
STEIN, cuff tacker, Stein Specialty Co.
STEINER, paper towels, soap dispensers, toilet soap, Steiner Sales Co.
STELLAR, filter, Infilco, Inc.
STEMALLOY, patented silicon bronze alloy, Lunkenheimer Co.
STERI-CHLOR, deodorizer and germicide, Wyandotte Chemicals Corp.
STERICLEAN, moth repellent sour, Johnson Chemicals Industries, Inc.
STERLCO, pumps, traps, controls, regulators, Sterling, Inc.
STERLING, solvent conditioner, Sterling Air Conditioning Corp.
STERLING, corn starch, Keever Starch Co.
STERLING, pumps, boiler, Sterling Engineering & Mfg. Co.
STERLING, salt, salt tablets, dispensers, International Salt Co.
STEVEDORE, JR., conveyor, Rapids-Standard Co., Inc.
STEVENSON, automatic counting machine, Stevenson Co.
STEWART-WARNER, instruments, Stewart-Warner Corp., Alemite Corp.
STIK-TITE, belt cement, Milwaukee Leather Belting Co.
STILLSON-GENUINE, wrench, Walworth Co.
STILL-TEMP, still temperature control, Aquatrol, Inc. (Specialties Div.)
STOD-SOL, Stoddard solvent, Anderson-Prichard Oil Corp.
STONE, package boiler, built-in return system, Stone Boiler Equipment Corp.
STONEWALL, fans, Stonewall Sales Co.
STORAGEMASTER, vault-conditioning equipment, Walter Haertel Co.
STOR-U-VEYOR, automatic call-office conveyor, White Machine Co., Inc.
STOVER, water softeners, pressure filters, Stover Water Softener Co.
STOWE STOKERS, industrial stokers, Johnson & Jennings Co.
STRATE, special drycleaning detergent, Spix Products Co.
STREAMLINE, chest-type flatwork ironer, American Laundry Machinery Co.
STREAMLINED LABELORS, moistenihg machine Better Packages, Inc.
STREAMLINER, continuous towel cabinet, Steiner Sales Co.
STREEPENE, stripper, R. R. Street & Co., Inc.
STREET, automatic conductivity control unit, R. R. Street & Co., Inc.
STRESSITE, solid bronze machine parts, Amplex Div., Chrysler Corp.
STRETCH-ALL, garment stretchers, tie forms, sleeve finishing boards, sleeve forms, Jack Hodges Specialty Co.
STRIKE'S hydraulic extractor, Strike's Laundry Machinery, Inc.
STRIPALENE-O stripper, Keystone Aniline & Chemical Co., Inc.
STRIPEX, strippers, Package Chemical Co., Inc.
STRIP INK, ink remover, Slater-Robbins Co., Inc.
STRIPMASTER, wire strippers, Ideal Industries, Inc.
STRIPP, powdered stripper and bleach, G & G Chemical Co.
STRIPPET, strippers, Package Chemical Co., Inc.
STRIPPIT, stain remover, stripper, Kliegman Bros., Inc.
STRIPPOLYTE, dye remover, Slater-Robbins Co. Inc.
STRIP-STICK, stripper, National Cleaners Chemical Mfg. Co.
STRIPTEX, powdered stripper, Hood Chemical Co., Inc., Crescent Div.
STROMBERG, time clocks, Stromberg Time Corp.
STRONG, steam specialties, Strong, Carlisle & Hammond Co.
STRONG-WAL, pliofilm and paper combination bags, Comet Envelope & Paper Co., Inc.
STURDI-BILT, metal laundry washer, Jensen Mfg. Co.
STYLOGRAMS, simulated paper handkerchief printed with sales message, Nashua Corp., Sure-Hold Div.
SUBMERSION, gas/oil boilers, gas/oil burners, gas/oil water heaters, David Stout & Sons
SUDS, paste drycleaning soap, Adco, Inc.
SUDSO, soap builder, Washine National Sands, Inc.
SUDSRITE, high-titer built soap, New South Mfg. Co., Inc.
SUDSYN, sudsy synthetic solvent, E. F. Drew & Co., Inc.
SUEDECARE, leather cleaning process, Suedecare, Inc.
SUEDE KING, leather and suede cleaning method, Suede King
SUIAP, accounts receivable system, Remington Rand, Inc.
SUITANDRESS, hangers, Cleaners Hanger Co.
SULFACO, wetcleaner, R. R. Street & Co., Inc.
SULFOSUDS, soapless soap, Merson Products Co.
SULFSTAD, soap, Stadham Co., Inc.
SULPHOGEN, spotting compound, Riverside Mfg. Co.
SULPHOTEX, detergent, soaps, Keystone Aniline & Chemical Co., Inc.
SULVA, soapless wet cleaner, G & G Chemical Co.
SUN, paste filter soap, Adco, Inc.
SUNBEAM, automatic clothes-lifting basket liner, Cleaners Specialties Supplies Co.
SUNBEAM, blue, Speare Co.
SUN-PROOF, paint, Pittsburgh Plate Glass Co., Paint Div.
SUNSET, blueing and color remover, stripper, North American Dye Corp.
SUNSET DYTINT, dye for use in washing machines, North American Dye Corp.
SUNSET DYWHITE, whitener for use in washing machines, North American Dye Corp.
SUPER, laundry machinery, Super Laundry Machinery Co., Div. St. Joe Machines, Inc.
SUPER, shirt sorting bin on casters, Time Savers, Inc.
SUPER ALKALI 60, alkali compound, Solvay Process Div., Allied Chemical & Dye Corp.
SUPERBELT, leather belting, Philadelphia Belting Co.
SUPERBILD, soap builder, Solvay Process Div., Allied Chemical & Dye Corp.
SUPER CHIEF, truck tires, tire repair material, Mohawk Rubber Co.
SUPERCHLOR, bleach, Patterson Laboratories, Inc
SUPER-CLEAR, rust-removing sour, Johnson Chemical Industries, Inc.
SUPER DETERGENT, detergent-type drycleaning soap, National Cleaners Chemical Mfg. Co.
SUPER DRY-O-MATIC, signal and alarm control for tumblers, Rosenthal Mfg. Co.
SUPER-ELCONITE, high-capacity greensand zeolite, Elgin-Refinite, Div. of Elgin Softener Corp.
SUPERFINE, laundry starch, Washine National Sands, Inc.
SUPER FURNAS-CRETE, castable refractory, Mexico Refractories Co.
SUPERGAUGE, gauges, U. S. Gauge Div., American Machine & Metals, Inc.
SUPER HIDING, interior white, U. S. Gutta Percha Paint Co.
SUPER-HILO, powder, built soda soap, Armour & Co.
SUPER HILOSET, temperature bonding mortar, Mexico Refractories Co.
SUPER ILLUMINATORS, incandescent lighting equipment, Edwin F. Guth Co.
SUPER-JET, built soap, and nonionic synthetic, Armour & Co.
SUPERIOR, crush-proof sorting hooks, lint traps, V & W Equipment Co.
SUPERIOR, laundry nets, Fablok Mills, Inc
SUPERIOR, marking machines, Textile Machinery Co., Inc.
SUPERIOR, regulator, thermostat, trycock, water gauge valve, steam valve, Superior Controls Co., Inc.
SUPERIOR, rug cleaning machinery and accessories, Superior Rug Machinery Co.
SUPERIOR, steam generators, Superior Combustion Industries, Inc.
SUPERKLEEN, laundry alkali, Washine National Sands, Inc.
SUPER-MATIC, boilers, Eclipse Fuel Engineering Co.
SUPER-MERCURY, extractors, Troy Laundry Machinery Div., American Machine & Metals, Inc.
SUPER MONO-FIBRIK, plastic firebrick, Mex'co Refractories Co.
SUPER MULTIFLEX, calcium carbonate, Diamond Alkali Co.
SUPER OILITE, ferrous-base lubricating bearings, Amplex Div., Chrysler Corp.
SUPER ORTH, anhydrous orthosilicate, Washine National Sands, Inc.
SUPERPACKING, leather packings, Philadelphia Belting Co.
SUPER-PLASTIC, refractory materials, A. P. Green Fire Brick Co.
SUPER PURGO, soap builder, Minnesota Chemical Co.
SUPER SHEEN, alkali cleanser, Solvay Process Div., Allied Chemical & Dye Corp.
SUPERSILICATE, detergent, Diamond Alkali Co.
SUPER SILVERTOP, steam traps, strainers, traps, V. D. Anderson Co.
SUPER-SOL, prespotter, National Cleaners Chemical Mfg. Co.
SUPER-SOLTEX, drycleaning detergent, Riverside Mfg. Co.
SUPER-SPEED, drycleaning tumbler, American Laundry Machinery Co.
SUPER STEEL, pins, safety pins, William Prym, Inc.
SUPER SYLON, ironer, American Laundry Machinery Co.
SUPER-TEX, detergent, Nu-Pro Mfg. Co.
SUPER-VAC, rug cleaning suction machine, American Laundry Machinery Co.
SUPER-WEAR, press covers, Gustin Kramer Co.
SUPER X, break powder, Speare Co.
SUPER-ZARMO, air-driven laundry presses, American Laundry Machinery Co.
SUPER-ZARMOETTE, air-driven laundry presses, American Laundry Machinery Co.
SUPER-ZORIC, drycleaning unit, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
SUPREME, laundry starch, Clinton Foods Inc.
SUPREME, water softeners and filters, Bruner Corp.
SURE-FLO, ironer wax, Johnson Chemical Industries, Inc.
SURE-GRIP, V-groove sheaves, flat belt pulleys, rubber V-belts, T. B. Wood's Sons Co.
SURE-HOLD, paper specialties, wrappers, Nashua Corp., Sure-Hold Div.
SURELOC, aluminum collar and cuff fasteners, Sureloc Paper Clip Co.
SURE-RETURN, condensation pumps, Chicago Pump Co.
SURE-RINSE, rinsing aid, Johnson Chemical Industries, Inc.
SURFCO SHIELD, silicone type colorless water repellent, Surface Protection Corp.
SURFEX, calcium carbonate, Diamond Alkali Co.
SURFEX MM, calcium carobnate, Diamond Alkali Co.
SUSPENSO, calcium carbonate, Diamond Alkali Co.
SUSSMAN, steam iron, Automatic Steam Products Corp.
SUZIE-Q, garment finisher and fabric conditioner, Excelsior Machinery Co.
SWAGELOK, reducer fitting for tubing, Crawford Fitting Co.
SWAN, valves, Klipfel Mfg. Co.
SWANEE, cover duck, Minnesota Chemical Co.
SWANSDOWN, calcium carbonate, Diamond Alkali Co.
SWEETHEART, franchised home linen rental service, advertising materials, Linen Suppliers Advertising Corp.
SWIFT, soaps, Swift & Co.
SWIVELOADER, box or car loaders, Stephens-Adamson Mfg. Co.
SWIV-O-HOOK, hangers, Garment Hanger Co.
SYLON, chest-type flatwork ironer, American Laundry Machinery Co.
SYLVANIA, cellophane, Sylvania Div., American Viscose Corp.
SYNASOL, solvent, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
SYNCHRO-METER, electric telemeter, Bailey Meter Co.
SYNCHRO-VALVE, diaphragm control valve, Bristol Co.
SYNDEET, insecticide, U. S. Rubber Co.
SYNDET, synthetic detergent, West Side Corp.
SYNFLEX, outside and interior enamel, Midland Paint & Varnish Co.
SYN-KLEEN, synthetic detergent, G. S. Robins & Co.
SYNSO, synthetic drycleaning soap, Nu-Pro Mfg. Co.
SYNSUDS, soap, H. Kohnstamm & Co., Inc.
SYN-SUDS, synthetic detergent, G. S. Robins & Co.
SYNSUDS, synthetic soap powder, Trico Chemical Div., Tri-State Equipment Co.
SYNTHEEL, liquid filter soap, National Cleaners Chemical Mfg. Co.
SYNTHESOL-100, drycleaning soap for synthetic solvent, Patek & Co.
SYNTHITE, zeolite, Hungerford & Terry, Inc.
SYNTHO, soap for chlorinated solvents, National Cleaners Chemical Mfg. Co.
SYNTH-O-SAVER, solvent recovery unit, Detrex Corp.
SYNTHO SUDS, synthetic soap chips, West Side Corp.
SY PENETRANT, drycleaning detergent, Merson Products Co.

T

TDL, high-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.
TABASCO, water heaters, Kewanee Boiler Corp.
TACO, heaters, condensers, hot-water systems, Taco Heaters, Inc.
TAD, insecticides, deodorants, Tad Chemical Co., Div. Acme Industrial Compounds Corp.
TAD, tags, Boston Clip & Tag Co.
TAG-A-DAY, laundry marking tags and pins, Boston Clip & Tag Co.
TAGGER, sewing machine for tagging, Chandler Machine Co.
TAG-O-LECTRIC, marking machines, identification systems, Textile Marking Machine Co., Inc.
TAG-O-MATIC, tag making and marking machine, Textile Marking Machine Co., Inc.
TAHARA, silver burnishing machine, American Laundry Machinery Co.
TAHOE, laundry blue, Patek & Co.
TAKALAB, concentrated enzymic digestant, Takamine Laboratory, Inc.
TA-KARA-HUKS, drycleaning specialty for cleaning drapes with hooks attached, Take-Care Mfg. & Sales Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

TAKIMERSE, enzymic digestant for bath, Takamine Laboratory, Inc.
TALASE, desizing agent, Takamine Laboratory, Inc.
TALLY, hand counter, Denominator Co., Inc.
TAN-AN-INK, ink remover, Package Chemical Co., Inc.
TANSOL, tannin stain remover, Greenville Chemical Co.
TAN-X, semi-wet stain remover, National Cleaners Chemical Mfg. Co.
TAQUET, tachometer, Herman H. Sticht Co., Inc.
TARBONIS, protective skin cream, Tarbonis Co.
TAR-GO, tar remover, A. L. Wilson Chemical Co.
TASCO, alkali (soap builder), Lewis National Corp.
TASCO TINT, blue, Lewis National Corp.
TAUBMAN, marking pen for laundries and drycleaners, Samuel Taubman & Co.
TAYLOR, stokers, American Engineering Co.
TECHNICLEAN, drycleaning soap, Fry Bros. Co.
TEJAX, valve indicator, indicating handwheels, Tejax Engineering Corp.
TELE-VUE, cellophane shirt and garment bags, Tele-Vue Packaging Products, Inc.
TELL BOARD, bulletin board, Mine Safety Appliances Co.
TELLEVEL, bin level control switches, Stephens-Adamson Mfg. Co.
TEL-U-VISION, transparent garment bags, Mehl Mfg. Co.
TEN-MINIT, bleach, Warco Laboratories
10 & 20, shirt bins, Time Savers, Inc.
TERGESSOL, paint and grease remover, Slater-Robins Co. Inc.
TERGIT, spotting compound, Riverside Mfg. Co.
TERGITOL, wetting agent, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
TERJ, strong soap, Huntington Laboratories, Inc.
TER-TEX, drycleaning concentrate, Spix Products Co.
TETRA-NOVAL, wetcleaning soap, Keystone Aniline & Chemical Co., Inc.
TETRAPOL, spot washing, tar removal, General Dyestuff Corp.
TETRA-SAN, liquid detergent, Huntington Laboratories, Inc.
TEX-ALL, rug cleaner, Certified Chemical & Equipment Co.
TEX-IT, upholstery cleaner, Certified Chemical & Equipment Co.
TEXTITE, industrial detergent, H. Kohnstamm & Co., Inc.
TEXIZE, sizing preparation, Package Chemical Co., Inc.
TEXO, laundry soap, E. F. Drew & Co., Inc.
TEXSCOUR, low-titer neutral red-oil soap flakes, Armour & Co.
TEXTAG, drycleaners identification system, Speed Check Co., Inc.
TEXTO, glazed thread, Fleischer Mills, Inc.
TEXTURE-SAN, fabric conditioner, Huntington Laboratories, Inc.
TEXZYME, protein-removing desizing agent, Pabst Sales Co.
THANITE, insecticide concentrate, Hercules Powder Co.
THERMALITE, 1000° F.F. high heat aluminum paint, Tropical Paint & Oil Co.
THERMOCON, solvent temperature control, Mar-Mak Machinery Mfg. Co.
THERMODYNAMIC, steam trap, Sarco Co., Inc.
THERMO-HUMIDIGRAPH, combination temperature and humidity recorder, Bristol Co.
THERMOPATCH, heat sealing mending materials, Thermopatch Corp.
THERMO-SET, thermo-setting ink setter, National Marking Machine Co.
THERMOTEX, cover cloth, H. Kohnstamm & Co., Inc.
THERMOTEX, "S," heat-resistant cover cloth, H. Kohnstamm & Co., Inc.
THERMOTROL, radiator control, Sterling, Inc.
THERMO-VENTO, drying tumbler, American Laundry Machinery Co.
T-32, guntacker, Arrow Fastener Co.
THOMAS, aluminum display holders, Mulholland-Harper Co.
THOR, intermediate quality, stiff mud firebrick, Mexico Refractories Co.
THORAL, rug shampoo, Turco Products, Inc.
THREAD-TITE, anti-seize compound (stick form), pipe thread lubricant, Armite Laboratories
3B, automatic synthetic drycleaning unit, Prosperity Co., Inc.
3-B DYNAMITE, soap, Rome Soap Mfg. Co.
3-DIMENSIONAL, press covers, F. H. Bonn Co.
302 SC, cover cloths, Whitehouse Nylon Products
3-STAR, leather and waterproof leather belting, Charlotte Leather Belting Co.
328, ironer oil, John P. Lynch Co.
THRIFTEX, drycleaning soap, detergent and emulsifier, Pennsylvania Salt Mfg. Co.
THRIFTIES, collar supports, M. H. Gronauer Co.
THUR-O, rug cleaning compound, Diamond Chemical Co.
THUR-O-COLOR, cold water rug dyes, Diamond Chemical Co.
THY-MO-TROL, electronic motor control, General Electric Co.
TI-BAG, cover for Ti-Rak, Para-Lux Products Co.
TIBRODE, cotton flannel padding and nets, Tingue, Brown & Co.
TICKETAG, drycleaning identification system, "TT" TickeTag Corp.
TICOSTEAM, packaged steam generator, Titusville Iron Works Co., Div. Struther Wells Corp.
TICOTHERM, high-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.
TIE-PAK, tie racks and bags, Phoenix Products Co.
TIGER, grease cups, Lunkenheimer Co.
TIGER, paste-type detergent, Adco, Inc.
TILTOR, shirt unit and shirt presses, American Laundry Machinery Co.
TIME-O-MATIC, timers for extractors, Rosenthal Mfg. Co.
TIME SAVERS, garment racks, trouser guards, shirt envelopes, Time Savers, Inc.
TI-ME-TER, laundry equipment timer, Bildwell Mfrs.
TIMKEN, roller bearings, tubings, Timken Roller Bearing Co.
TINDECK, double-face padding, Tingue, Brown & Co.
TINGUTEX, nylon press covers, Tingue, Brown & Co.
TINTEX, dye and dye remover, Park & Tilford
TI-RAK, necktie hanger, Para-Lux Products Co.
TITANIC, stripper, Spix Products Co.
TOKEN-TAGS, marking tags, Pre-Marked Strip Tag Co.
TOLEDO, scales, Toledo Scale Co.
TOPAZ, high-titer built soap chips, Armour & Co.
TOPS, drycleaning detergent, Nu-Pro Mfg. Co.
TORK, time switches, Tork Clock Co., Inc.
TORNADO, blowers, industrial vacuum cleaners, floor machines, Breuer Electric Mfg. Co.
TORRIDOR, blower unit heater, Trane Co.
TOUCH, volatile dry spotter, G & G Chemical Co.
TRAN-CEL-SEAL, cellulose tape, Gummed Tape & Devices Co.
TRANSCOPY DUPLEX, contact printer, photographic, Remington Rand, Inc.
TRANSVEYOR, horizontal belt conveyor, Mechanical Handling Systems, Inc.
TREASURE, brass safety pins (unguarded coil), Oakville Div., Scoville Mfg. Co.
TREET-O-UNIT, constant rate proportioning pump, Proportioneers, Inc.
TRENTWELD, pipe and tubing, Trent Tube Co.
TRI, fur cleaning fluid, Walter Haertel Co.
TRI-CLAD, motors, General Electric Co.
TRICLENE, drycleaning solvent, E. I. du Pont de Nemours & Co., Inc.
TRICO, electrical and lubricating devices, Trico Fuse Mfg. Co.
TRICO, wetcleaning sour, Trico Chemical Div., Tri-State Equipment Co.
TRIFIEX, drycleaning detergent, Pennsylvania Salt Mfg. Co.
TRIMERSE, enzymic digester, Trico Chemical Div., Tri-State Equipment Co.
TRIO, alkali compounds, bleach, boiler compound, Trio Chemical Works, Inc.
TRIPLE-A, paints, Quigley Co., Inc.
TRIPLEX, 140° F drycleaning units, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
TRIPP, solvent cooler and heater, temperature control, Tripp Mfg. Co.
TRISOL, stain remover, Eaton Chemical & Dyestuff Co.
TRIUMPH, built non-ionic synthetic detergent, Armour & Co.
TRIWAY, fur finishing machine, Walter Haertel Co.
TRI X, fumigant, Walter Haertel Co.
TROPELITE, durable protective coating, Tropical Paint & Oil Co.
TROPICAL, cleaner for walls, floors, windows, Tropical Paint & Oil Co.
TROPICAL, nut shells for fur cleaning, Bernard Sirotta Co.
TROUSER-FORMR, pants shaper, Bill Glover, Inc.
TROUS-GARD, trouser guard, Para-Lux Products Co.
TROY, laundry machinery, Troy Laundry Machinery Div., American Machine & Metals Inc.
TROY-MERCURY, drycleaning unit, Troy Laundry Machinery Div., American Machine & Metals, Inc.
TROYSPECIAL, replacement collars, Zuckerberg Co.
TRUCLEEN, petroleum solvent for drycleaning, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
TRU COLOR, dyeing, Tru Color Dye Works, Inc.
TRUFLEX, light duty V-belts, Gates Rubber Co.
TRUFOLD, shirt folding machine, J. W. Steele & Co.
TRUFORM, steam-air garment finisher, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
TRUMATIC, flatwork folder, American Laundry Machinery Co.
TRUMP, spot remover, Spix Products Co.
TRU-SHEEN, CONCENTRATE, drycleaning detergent, Krasan Products, Inc.
TRU SOAP, true soap liquid, Benda Products, Inc.
TRUSTY, gasoline strainers, Lunkenheimer Co.
TRU-TONE, fabric conditioner, Adrian Research & Chemical Co.
TT TICKE TAG, 4-in-1 combination marking in, receipt, invoice, marking tag, "TT" TickeTag Corp.
T-25, soaps, silks and woolens, Swift & Co.
TUBE-O, trouser guard, Garment Hanger Co.
TUB-TYPE, trucks Market Forge Co.
TUFF HIDE, padding, Pittsburgh Waterproof Co.
TUFFLEX, padding, Wood Conversion Co.
TUFF-TEX, metal press pads, X. S. Smith, Inc.
TUFFY, heavy duty synthetic detergent, Thomson Chemical Co.
TUMBOLITE, lighting fixture for open-end tumblers, Donnell Co.
TURBO GUN, spotting gun, Elliot Rabe Mfg. Co.
TURBO-VAC, single press vacuum system, Pantex Mfg. Co.
TURCO, insecticides, germicides, Turco Products, Inc.
TUWAY, strainers, Wright-Austin Co.
TWEEN, emulsifier, wetting agent, Atlas Powder Co., Industrial Chemicals Dept.
20th CENTURY, needle bearing, Roller Bearing Co. of America
20-L, laundry starch, Clinton Foods, Inc.
TWENTY-TWENTY, front-loading washer, American Laundry Machinery Co.
TWIN CONTACT CONTROLS, controls, regulators, gauges, Perfex Corp.
TWINMATIC, washer and extractor, Imperial Laundry Machinery Co.
TWINPLEX, fur cleaning drum and cage, Walter Haertel Co.
TWIN-PRESS, drycleaning press, Reliable Steam Pressing Machine Service, Inc.
TWIN RAPID, automatic shirt press, general purpose press, Reliable Steam Pressing Machine Service, Inc.
TWINTAINER, extractor, Fletcher Works, Inc.
TWIN-TEX, metal press pads, X. S. Smith, Inc.
TWIST-EMS, hanger combiners, Germain's Inc. Twist-Ems Div.
TWISTEMS, hanger combiners, H. F. Hanscom & Co.
TWITCHELL, emulsifying bases, Emery Industries, Inc.
249, stripper, Patek & Co.
2GAV, compressor plant, Westinghouse Air Brake Co., Industrial Products Div.
209, stain remover, R. R. Street & Co., Inc.
TWO-IN-ONE, nylon cloth, Zuckerberg Co.
TY-BORDS, forms for pressing neckties, Joe L. Winner
TYCO, stick machine cleaner for hot irons, presses, Tyson Sales Co., Inc.
TY-HOLDERS, tie and belt holders, Time Savers, Inc.
TYMIT, timers, Tork Clock Co., Inc.
TY-ON, nylon press covers, F. H. Bonn Co.
TY-PAX, tie and belt holders, Time Savers, Inc.

U

U.S., stoneware, U. S. Stoneware Co.
UCON, lubricants (synthetic oil and grease), Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
UCON, tumblers, drycleaning units, U. S. Hoffman Machinery Corp.
U-DOR-A, perspiration remover, Nu-Pro Mfg. Co.
ULTRA-LITE, sour, Keever Starch Co.
ULTRAMATIC, automatic zeolite water softener, Elgin-Refinite, Div. of Elgin Softener Corp.
ULTRA-SOL, soap builder, Thompson-Hayward Chemical Co.
ULTRA-SPEED, drying tumbler, American Laundry Machinery Co.
ULTRA-WITE, fluorescent compound, whitener, H. Kohnstamm & Co., Inc.
UNAFLOW, steam engines, Ames Iron Works
UNDERWOOD ELLIOTT FISHER, accounting machines, Underwood Corp.
UNDERWOOD SAMAS, punched card accounting machines, Underwood Corp.
UNDERWOOD SUNDSTRAND, adding and accounting machines, Underwood Corp.
UNIFLO, drycleaning washer, Western Laundry Machinery Co.
UNIFLOW, water softeners and conditioners, mechanical filters, water supply pumps, Uniflow Mfg. Co.
UNIFOAM C, rug and upholstery cleaning detergents, Fumol Corp.
UNILITE, zeolite water softener, Uniflow Mfg. Co.
UNI-MAC, laundry washer, Uni-Mac Co.
UNIPRESS, air-driven laundry presses, sleevers, sport shirt units, Unipress Co.
UNISOL, emulsifiers, oils and soaps, Universal Solvent Co.
UNITED, laundry cart, U. S. Steel & Wire Co.
UNITED, washable uniforms, United Cotton Goods Co., Inc.
UNITHERM, unit heaters, Clarage Fan Co.
UNIT KLEEN, drycleaning washer-extractor, Unit Wash Corp.
UNIT WASH, laundry washer-extractor, Unit Wash Corp.
UNIVALVE, valves, Edward Valves, Inc., Subsidiary Rockwell Mfg. Co.
UNIVERSAL, printed book matches, Universal Match Corp., St. Louis 3, Mo.
UNIVERSAL SPEED-FEED, sales control system, Egry Register Co.
UNIVERSAL STRIPPER, stain remover and stripper, H. Kohnstamm & Co., Inc.
UNLOADING CASCADE, laundry washer, American Laundry Machinery Co.
UNOX, penetrant for fire-fighting, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.

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TRADE NAMES

URBAN, truck bodies, Montpelier Mfg. Co.
U-SAN-O, drycleaning, mothproofing with chlorophyll, American Mothproofing Co.
U. S. KOGLON, press pads, sponge, Newhouse Co.
U. S. MODEL 518-3, sewing machine for drycleaners, U. S. Blind Stitch Machine Corp.
USS STAINLESS, stainless steel, U. S. Steel Co.
USTEX, wire and cable, U. S. Rubber Co.
UTILITY, specially built truck bodies, Utility Truck Distributors, Inc.

V

V-C, feed ribbons, textiles, Virginia-Carolina Laundry Supply Co.
V.D., spotter, Adco, Inc.
V & W, assorting reels, V & W Equipment Co.
VALETERIA, drycleaning and laundry vendor, U. S. Hoffman Machinery Corp.
VAN DYKE SILICA, silica brick, Mexico Refractories Co.
VANETTE, truck bodies for use on Ford chassis, Universal Sales, Inc.
VANITE, liquid detergent, Adco, Inc.
VAPOR-CLARKSON, package type steam generators and hot water heaters, Vapor Heating Corp.
VARA, combination solvent cooler and heater, garment holders and baggers, sweetener powder dispenser, belt holder, shirt boxer, A. G. Vara & Son
VARIADEX, alphabetic filing system, Remington Rand, Inc.
VARIATOR, steam traps, American District Steam Co., Inc.
VAULTMASTER, fur cleaning and storage equipment, Walter Haertel Co.
VEEDER-ROOT, computing and counting devices, Veeder-Root, Inc.
VEE-LOK, clutch facings, Raybestos-Manhattan Inc.
VEE-THREE, paste drycleaning soap, Riverside Mfg. Co.
VEGETABLE IVORY, buttons, Eureka Button Co.
VELAN UNIVERSAL, steam trap, Velan Engineering Co.
VELCO, marking ink and sets, Ink-O Products Co.
VELOCITY DRAINER, steam trap (float), W. M. Acker Organization, Inc.
VELOCITY STEAM, steam system, Velocity Steam Production Engineering Co.
VEL-ODOR, concentrated liquid odor neutralizer, Caled Products Co., Inc.
VELVET RAINBOW, combination starch, Huron Milling Co.
VELVET SHEEN, rubber base wall paint, Tropical Paint & Oil Co.
VELVET WHEAT, wheat starch, Huron Milling Co.
VELVO, wetcleaning soap, Davies-Young Soap Co.
VERSABAR, structural system for racks and pipe supports, M-H Standard Co.
VERSI, laundry and wetcleaning textile finishing compound, John T. Stanley Co., Inc.
VERTEX, low-titer soap flakes, laundry, wetcleaning, rug and carpet, Swift & Co.
VIBRA-SORBER, pipeline vibration absorber, Flexonics Corp.
VIC, drycleaning machinery, Vic Cleaning Machine Co.
VICTOR, straight pins, Risdon Mfg. Co.
VICTOR, wheat starch, Keever Starch Co.
VICTORY, blue, Minnesota Chemical Co.
VICTORY, drycleaning soaps, Patek & Co.
VICTORY, fur cleaning fluid, Bernard Sirotta Co.
VICTORY, laundry marking tags, Tagit Co.
VIGIL, diaper antiseptic and deodorant, Patek & Co.
VIKE, pipe joint compound, Keystone Lubricating Co.
VIKING, intermediate quality, dry press firebrick, Mexico Refractories Co.
VIKING, pumps, Viking Pump Co.
VIKING, suds, Los Angeles Soap Co.
VIM, steam engines, Ames Iron Works
VIRGINIA GREENSTONE, non-skid floor surfacing material, soaking and rinsing tubs, wetcleaning tables, Virginia Greenstone Co., Inc.
VISCOR, filter, Weston Electrical Instrument Corp.
VITEX, drycleaning soaps, Patek & Co.
VIVIDOL CHG, drycleaning detergent, Stamford Chemical Co.
VIVIDOL C1, synthetic drycleaning detergent, Stamford Chemical Co.
VIVIDOL 11, petroleum drycleaning detergent, Stamford Chemical Co.
VIVIPRESS, finishing compound, steam treating chemical, Stamford Chemical Co.
VIVITEX, water repellent, Stamford Chemical Co.
VOKES, air cleaners, filters, separators, strainers, Drico Industrial Corp.
VOL, spotting agent, Stamford Chemical Co.
VOLTEX, spotting agent, Spix Products Co.
VOL-U-METER, flow-responsive proportioning pump, Proportioneers, Inc.
VORCLAY, bentonite clay, American Colloid Co.
VORCLONE, extractors, tumbler, U. S. Hoffman Machinery Corp.
V-S DRIVE, all-electric adjustable speed drive for a.c. circuits, Reliance Electric & Engineering Co.
VULCAN, cover cloth, Pittsburgh Waterproof Co.
VULCAN, stokers, Canton Stoker Corp.
VULCO, V-pulleys, Gates Rubber Co.
VULCOMOUNT, sheaves, Gates Rubber Co.

W

W.C., water carrier, Benda Products, Inc.
W.D.P., wet or dry prespotter, Warco Laboratories
W.L., drycleaning detergents, Caled Products Co.
W. P. B., wet and dry paint remover, National Cleaners Chemical Mfg. Co.
WACO, diaphragm fluid pump, Perry Company
WALCO, pipe wrench, Walworth Co.
WALDORF, paper hangers, Waldorf Co.
WALLHIDE, paint, Pittsburgh Plate Glass Co., Paint Div.
WALSEAL, threadless bronze fitting, Walworth Co.
WALWORTH, valves and pipe fittings, Walworth Co.
WARRIOR, tire rebuilding and repair material, Mohawk Rubber Co.
WASH-A-WAY, washer, Cook Machinery Co., Inc.
WASHETTE, laundry washer, Cook Machinery Co., Inc.
WASHEX, combination drycleaning washer-extractor, Washex Machinery Corp.
WASHINE, bleach (sodium hypochlorite), Washine National Sands, Inc.
WASHINITE, detergent, Washine National Sands, Inc.
WASHMOR, nylon laundry nets, Tingue, Brown & Co.
WASHOMETER, washing machine recorder, Huebsch Mfg. Co., Div. American Laundry Machinery Co.
WASHTEX, overall compound, Thompson-Hayward Chemical Co.
WATCH-DOG, water meters, Worthington Pump & Machinery Corp.
WATCOCELL, asbestos pipe covering, blocks, Ruberoid Co.
WATER KING, small water supply pump, Peerless Pump Div., Food Machinery & Chemical Corp.
WATERPROOFON PRK, water repellent, Apex Chemical Co., Inc.
WATERSPAR, polishing wax, Pittsburgh Plate Glass Co., Paint Div.
WATERWAY, laundry combination washer-extractor, Pantex Mfg. Co.
WAYNE, air compressors, pneumatic and hydraulic hoists, hose reels, Wayne Pump Co.
WEATHER-MAKERS, air conditioning, Carrier Corp.
WEATHER-MASTERS, air conditioning, Carrier Corp
WEE-SCOT, high-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.
WEIGHT-O-GRAPH 77, automatic scale attachment for beam scales, Howe Scale Co.
WELDMASTER, platform, Lewis-Shepard Products, Inc.
WELPCO, steam valves, discs, Western Laundry Press Co.
WERKRITE, neutral tallow flakes, powder, Allen B. Wrisley Co.
WERK'S COLDWATER, built red-oil soap, Allen B. Wrisley Co.
WESCLENE, liquid break, West Side Corp.
WESCO, dry spotter, prespotter, West Side Corp.
WESOFORM, volatile dry spotter, West Side Corp.
WEST COAST, extractors, washers, curtain stretchers, West Coast Laundry Machinery Co.
WESTERN-AIR, laundry and drycleaning tumblers, Western Laundry Machinery Co.
WESTERN, deep well turbine pumps, deep well turbine pressure systems, Western Pump Co., Ltd.
WESTERN EAGLE, laundry and drycleaning combination washer-extractors, Western Laundry Machinery Co.
WESTINGHOUSE, air compressors, Le Roi Co., Subsidiary Westinghouse Air Brake Co.
WESTINGHOUSE, lamps, Westinghouse Electric Corp.
WESTINGHOUSE, laundromat, washers, Ald, Inc.
WESTON, electrical indicating instruments, Weston Electric Instrument Corp.
WEST TEXAS, boilers, water heaters and softeners and return tanks, West Texas Marine Boiler Works, Inc.
WESTVACO, chlorinated solvent (synthetic), Westvaco Chemical Div., Food Machinery & Chemical Corp.
WET-AGE, wet spotter, G & G Chemical Corp.
WETAWAY, water repellent, Carman & Co., Inc.
WET-O-DRY, paint remover, Merson Products Co.
WETSOL, general spotter, Eaton Chemical & Dyestuff Co.
WETSOL, wet spotter, Nu-Pro Mfg. Co.
WETSOLV, penetrant, Package Chemical Co.
WETSPO, point, oil and grease remover, Riverside Mfg. Co.
WETSPOT, wet spotter, Adco, Inc.
WETSYN, synthetic detergent, E. F. Drew & Co., Inc.
WETTSPOTTER, paint, oil and grease remover, Riverside Mfg. Co.
WHALEBONE, leather and waterproof leather belting, Charlotte Leather Belting Co.
WHEATEX, combination starch, Huron Milling Co.
WHEAT-N-CORN, combination starch, Keever Starch Co.
WHEEL, starch, A. E. Staley Mfg. Co.
WHEEL-EZY, hand truck, Rapids-Standard Co., Inc.
WHEELVEYOR, wheel conveyor, Mechanical Handling Systems Inc.
WHIRL-SORT, sorting reel, Franklin Mfg. Co.
WHIRLWIND, extractor, Fletcher Works, Inc.
WHITE CAP, drycleaning soap, Midland Color & Chemical Co.
WHITE CAP, laundry blue, Beach Soap Co.
WHITECO, nylon laundry nets, Whitehouse Nylon Products
WHITEEN-100, medium-titer laundry soap, New South Mfg. Co., Inc.
WHITE HOUSE, wheat starch, Huron Milling Co.
WHITEINT, fluorescent dye addition to soaps, Carlton Chemical Co., Inc.
WHITE KING, toilet soap, coco almond soap, coco lemon soap, Los Angeles Soap Co.
WHITE LABEL, medium-titer neutral soap, Beach Soap Co.
WHITE RIBBON, tallow soap, laundry, wetcleaning and rug cleaning, Swift & Co.
WHITEX, blueing, Park & Tilford
WHITLOCK, preheaters, Whitlock Mfg. Co.
WHITSON SYSTEM, boiler return systems, Healy-Ruff Co.
WICK, tapes and braids, Wick Narrow Fabrics Co.
WILL-BURT, coal stokers, oil burners, gas burners, Will-Burt Co.
WILLIAMS, laundry and drycleaning machinery, Williams Laundry Machinery Co., Inc.
WILLIAMS & DAVIS, boilers, condensation return systems, return units, boiler feed-water systems, Williams & Davis Boiler & Welding Co., Inc.
WILLS-MILCO, rug heater, A. O. Miller Co.
WIL-NOR, personalized premiums, shirt bands (premium), Wil-Nor Products
WINDO, cedarized storage bag, Lincoln Bag Co.
WING CLAMP, collar support, Para-Lux Products Co.
WING-GARDS, hanger shields, Para-Lux Products Co.
WING-LOCK, collar support, Para-Lux Products Co.
WING-ROLL, collar support, Para-Lux Products Co.
WINKLER, stokers, U. S. Machine Corp.
WIR "O" MATIC, extractor, Gross Machinery Co., Inc.
WIZARD, automatic washer control, Norman Control Co.
WIZARD. extractors, Hammond Laundry-Cleaning Machinery Co.
WIZARD, laundry net, Southern Mills, Inc.
W/O EMULSIFIER, wetcleaning stock solution, Adrian Research & Chemical Co.
WOLF, electric cloth cutters, fabric drills, rag cutters, Wolf Machine Co.
WONDERFOLD, sport shirt protectors, Sutherland Paper Co.
WONDER WEAVERS, reweaving damaged clothing, Wonder Weavers
WONDER WORKER, sewing machine, U. S. Blind Stitch Machine Corp.
WONDRESS, flatwork ironer pads, Southern Mills, Inc.
WOOL, soaps, silks and woolens, Swift & Co.
WOOLZ, a specific woolen soap, Caled Products Co., Inc.
WORKHORSE, rug scrubber, Certified Chemical & Equipment Co.
WORK SAVER, drycleaning truck, garment racks, Time Savers, Inc.
WORTHITE, pumps, Worthington Pump & Machinery Corp.
WOVERITE, cover cloth, padding, Lewis National Corp.
WRAP-O-MATIC, automatic paper cutting and wrapping Machine, Rosenthal Mfg. Co.
WRITE-GO, ink eradicator, A. L. Wilson Chemical Co.
WULPRESS, wool press cloth and surface cloth, nylon and wool press and surface cloth, Arms Textile Mfg. Co.
WYANDOTTE, detergents, sours, Wyandotte Chemicals Corp.
WYTEN, soap builder, Turco Products, Inc.

X

X. L., built synthetic detergent, Armour & Co.
XANNO, indelible ink (no heat), Applegate Chemical Co.
X-PANDO, collar supports, Time Savers, Inc.
X-30, rag and overall detergent, George Stearns Chemical & Mfg. Co.
XTRA, nylon press cloth, X. S. Smith, Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 296

Y

Y.R.S., yellow stain and run color remover, Riverside Mfg. Co.
Y-S, air compressors, Le Roi Co., Compressor Div.
YA-DE, mothproof, Crossland Mfg. Co., Inc.
YANKEE, powdered and liquid starch, Gilcor Mfg. Co., Inc.
YARMOR, pine oil, Hercules Powder Co.
YARWAY GUN PAKT, expansion joints, Yarnall-Waring Co.
YARWAY HI-LO ALARM, water columns, Yarwall-Waring Co.
YARWAY HI-LO-GRAPH, liquid level recorder, Yarnall-Waring Co.
YARWAY IMPULSE, steam traps, Yarnall-Waring Co.
YARWAY INVOLUTE, spray nozzles, Yarnall-Waring Co.
YARWAY SEATLESS, blow-off valves, Yarnall-Waring Co.
YARWAY SESURE INCLINED, water gauges, Yarnall-Waring Co.
YELLOW-GO, liquid dye-reducing agent, A. L. Wilson Chemical Co.
YELLOW REMOVER, dye stripper, Patek & Co.
YELO-LIQUID COLD STRIPPER, stain remover and stripper, H. Kohnstamm & Co., Inc.
YORK-HEAT, burners, generators, York-Shipley Inc.

Z

Z-P, silk drycleaning soap for chlorinated solvent systems, Caled Products Co., Inc.
Z-AIR, drycleaning press, Prosperity Co., Inc.
ZANZIBAR-CARBON, blues, curtain colors, indelible ink, indelible ink eradicator and thinner, B. Heller & Co.
ZARMITE, foot-power laundry presses, American Laundry Machinery Co.
ZARMO, foot-power laundry presses, American Laundry Machinery Co.
ZARMOETTE, air-driven laundry presses, American Laundry Machinery Co.
ZEETONE, paint remover, Riverside Mfg. Co.
ZELAN, durable water repellent, E. I. du Pont de Nemours & Co., Inc.
ZELCO, press and ironer pads, padding, press covers, Nathan Zellermayer & Co.
ZELTEX, press and ironer pads, padding, press covers, Nathan Zellermayer & Co.
ZENITH, electric timers, Zenith Electric Co.
ZENITH, extractors, filters, washers, Billingsly Machinery Co.
ZEOLITE, boiler feed-water treatment, National Chemical Sales Co., Laboratory, Inc.
ZEPHYR, extractor, ironer, washer, Hydraxtor Co., Div. Zephyr Laundry Machinery Co.
ZERO, combination water softener and iron removers, neutralizers, Zero Water Softener Mfg. Co.
ZEROSOFT, water softener, iron remover, filter, zeolite, Zero Water Softener Mfg. Co.
ZEST, synthetic wetcleaning soap, Adco, Inc.
ZIG-ZAG, power conveyor, Richards-Wilcox Mfg. Co.
ZIG-ZAG, heat exchangers and reclaimers, David Stout & Sons
ZIP, go-back conveyor, Time Savers, Inc.
ZIP-LUXOR, plastic storage bag, side opening, Rassenfoss Bag Co., Inc.
ZIPOLA, lubricant, High Chemical Co.
ZIPON, leather finish, Keystone Aniline & Chemical Co., Inc.
ZIPPER-EASE, stainless lubricant, A. G. S. Co.
ZIPPO, wetcleaning detergent, Benda Products, Inc.
ZIP-R-FLEX, tool kit for repairing zippers, Mars Tool Co.
ZIP STIK, ink remover, Keystone Aniline & Chemical Co., Inc.
ZOL, synthetic drycleaning solvent, Stauffer Chemical Co.
ZOLVIT, paint, oil and grease remover, Riverside Mfg. Co.
ZONE-AIR, feather reconditioning unit, American Laundry Machinery Co.
ZONE-AIR, laundry or drycleaning drying tumblers, American Laundry Machinery Co.
ZONEX, chloroform substitute, Package Chemical Co., Inc.
ZORIC, garment cleaning system, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
Z-RAY, drycleaning detergent, Delan Co.
ZUCKERBERG, replacement collars and cuffs for white shirts, Zuckerberg Co.
ZUDS, sulphated compound for wetcleaning in salt or acid solutions, Caled Products Co., Inc.
ZURON, petroleum solvent drycleaning unit, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
ZYMO, enzymic spot remover, Keystone Aniline & Chemical Co., Inc.

MANUFACTURERS

equipment and supply producers listed alphabetically with their mailing addresses

A

A.A.A. Weaving Service, 1182 Madison Ave., New York 28, N. Y.
A A Laundry Machinery Co., 1110-12 S. Kedzie Ave., Chicago 12, Ill.
A-B Novelty Corp., 519 30th St., Union City, N. J.
ABC Collar 'N' Cuff Co., 423 Broadway, New York 13, N. Y.
A. G. S. Co., Muskegon, Mich.
Academy Hanger Co., Inc., 177 E. 123rd St., New York 35, N. Y.
Ace Cabinet Corp., 1457 Broadway, New York 36, N. Y.
Ace Fastener Corp., 3415 N. Ashland Ave., Chicago 13, Ill.
Ace Hose & Rubber Co., 701 Van Buren St., Chicago 7, Ill.
Ace Weaving Service, 416 Madison Ave., New York 17, N. Y.
Acker, W. M., Organization, Inc., 3167 Fulton Rd., Cleveland 9, Ohio
Acme Dye House, Inc., 7606 Carnegie Ave., Cleveland 3, Ohio
Acme Hatters Supply Co., 104-106 Bleecker St., New York 12, N. Y.
Acme Industrial Compounds Corp., 625 S. Goodman, Rochester 7, N. Y.
Acme Soap Co., 251 Third St., Cambridge 42, Mass.
Adams Weaving Co., 1123 Republic Bldg., Chicago 4, Ill.
Adco, Inc., 906-928 W. Main St., Sedalia, Mo.
Addressograph-Multigraph Corp., 1200 Babbitt Rd., Cleveland 17, Ohio
Adell Chemical Co., 176 Race St., Holyoke, Mass.
Adelman Glove Cleaners, Inc., & Leather Cleaners, 1607 Devon Ave. & 3757 Fullerton, Chicago, Ill.
Adhesive Products Corp., 1660 Boone Ave., New York 60, N. Y.
Adrian Research & Chemical Co., Inc., Elm & Pennsylvania Aves., North Wales, Pa.
Advance Floor Machine Co., 2613 S.E. Fourth St., Minneapolis 14, Minn.
Aerovent Fan Co., 700 E. Ash St., Piqua, Ohio
Aetna Felt Co., Inc., 204 Centre St., New York 4, N. Y.
Aid, Inc., 3549 N. Clark St., Chicago 13, Ill.
Alemite Div., Stewart Warner Corp., 1826 Diversey Parkway, Chicago 31, Ill.
Alert Boiler & Mfg. Co., 9661 Robson St., Detroit 28, Mich.
Alfreda Furs, 150 W. 30th St., New York, N. Y.
Allcraft Mfg. Co., 27 Hayward St., Cambridge 42, Mass.
Allegheny Ludlum Steel Corp., 2020 Oliver Bldg., Pittsburgh 22, Pa.
Allen, R. C., Business Machines, Inc., 678 Front St., N. W., Grand Rapids, Mich.
Allied Equipment Co., 7071 Rogers Ave., Chicago 26, Ill.
Allied Laundry Machinery Corp., 256 Wythe Ave., Brooklyn, N. Y.
Allis-Chalmers Mfg. Co., 1126 S. 70th St., Milwaukee 1, Wisc.
Allis, Louis, Co., 427 E. Stewart St., Milwaukee 7, Wisc.
Almore Dye House, 4412-4424 Wentworth Ave., Chicago 9, Ill.
Alrose Chemical Co., Div. Geigy Chemical Corp., P.O. Box 1294, Providence 1, R. I.
Aluminum Co. of America, 640 Gulf Bldg., Pittsburgh 19, Pa.
Ambassador Continuous Towel Cabinet Co., 125 N. Mission Rd., Los Angeles 33, Cal.
Amber Mfg. Co., 607 S. Union Ave., Los Angeles 14, Cal.
Amber Weaving Service, 611A Main St., Buffalo 3, N. Y.
Americaine, Inc., 1316 Sherman Ave., Evanston, Ill.
American Air Compressor Corp., 48th & Dell Ave., North Bergen, N. J.
American Alcolac Corp., 3450 Fairfield Rd., Baltimore 26, Md.
American Aniline Products, Inc., 820 S. Clinton St., Chicago 7, Ill.
American Associated Cos., Inc., 451-461 Stephens St., S.W., Atlanta, Ga.
American Brake Shoe Co., Kellogg Div., 97 Humboldt St., Rochester 9, N. Y.
American Brass Co., American Metal Hose Branch, 698 S. Main St., Waterbury 20, Conn.
American Cleaners Equipment Co., Div. American Laundry Machinery Co., Ross & Section Aves., Cincinnati 12, Ohio
American Coal Burner & Wood Stoker Corp., 18 E. Erie St., Chicago 11, Ill.
American Coat Hanger Mfg. & Specialty Co., 3917-21 W. Jefferson Blvd., Los Angeles 16, Cal.
American Colloid Co., 363 W. Superior St., Chicago 10, Ill.
American Coolair Corp., Box 2300, Jacksonville 3, Fla.
American District Steam Co., 453 Bryant St., North Tonawanda, N. Y.
American Dyeing & Cleaning Co., 4110 Worth St., Dallas 1, Texas
American Electrical Heater Co., 6110 Cass Ave., Detroit 2, Mich.
American Engineering Co., Aramingo Ave. & Cumberland St., Philadelphia 25, Pa.
American Felt Co., Glenville, Conn.
American Hair & Felt Co., 1828 Merchandise Mart, Chicago 54, Ill.
American Hatters Supplies, Inc., 9 E. Harrison St., Chicago 5, Ill.
American Institute of Laundering, Joliet, Ill.
American-La France-Foamite Corp., 100 E. La-France St., Elmira, N. Y.
American Laundry Machinery Co., Norwood Station, Cincinnati 12, Ohio
American Mineral Spirits Co., 230 N. Michigan Ave., Chicago, Ill.
American Monorail Co., 13107 Athens Ave., Cleveland 7, Ohio
American Mothproofing Co., 2510 Hampton Ave., St. Louis 10, Mo.
American Numbering Machine Co., Atlantic & Shepherd Aves., Brooklyn 8, N. Y.
American Pressboard Co., 110 W. 30th St., New York 1, N. Y.
American Shirt Co., 1123 Broadway, New York 10, N. Y.
American Sterilizer Co., 1230 Plum St., Erie, Pa.
American Telephone & Telegraph Co., 195 Broadway, New York 7, N. Y.
American Textile Weaving Co., 5 N. Wabash, Chicago, Ill.
American Water Softener Co., Fourth & Lehigh, Philadelphia 33, Pa.
American Wire Form Corp., 265 Grant Ave., Jersey City 5, N. J.
Ames Iron Works, E. Second & Cayuga Sts., Oswego, N. Y.
Analytical Measurements, Inc., 585 Main St., Chatham, N. Y.
Anderson, Glenn L., 3887 Bushnell Rd., Cleveland 18, Ohio
Anderson Box & Basket Co., Inc., Henderson, Ky.
Anderson Specialty Mfg. Co., 5 Hunt Rd., Jamestown, N. Y.
Anderson, V. D., 1935 W. 96th St., Cleveland 2, Ohio
Anderson-Prichard Oil Corp., 1000 Liberty Bank Bldg., Oklahoma City 2, Okla.
Andrew Paper Box & Bag Corp., 845 Gates Ave., Brooklyn 23, N. Y.
Andrew Technical Service, 11 E. Delaware Pl., Chicago 11, Ill.
Angelica Uniform Co., 1419-29 Olive St., St. Louis 3, Mo.
Angle Steel, Inc., Acorn St., Plainwell, Mich.
Ansul Chemical Co., Marinette, Wisc.
Anthony Co., 47-33 Fifth St., Long Island City 1, N. Y.
Apex Chemical Co., Inc., 225 W. 34th St., New York 1, N. Y.
Apex Electrical Mfg. Co., 1070 E. 152nd St., Cleveland 10, Ohio
Apex Rotarex Corp., 1070 E. 152nd St., Cleveland 10, Ohio
Applegate Chemical Co., 5632 Harper Ave., Chicago 37, Ill.
Appliance Service Co., 1821 54th St., Brooklyn 4, N. Y.
Aqua Electric Scale Control, Inc., 2028 E. 22nd St., Cleveland 15, Ohio
Aqua-Jet Machine Corp., 225 W. 34th St., New York 1, N. Y.
Aqua-Sec Corp., 1450 Broadway, New York 18, N. Y.
Aquatrol, Inc. (Specialties Div.), 689 Milwaukee Ave., Chicago 22, Ill.
Arabol Mfg. Co., 110 E. 42nd St., New York 17, N. Y.
Armen Chemicals, Inc., 630 S. Ashley St., Ann Arbor, Mich.
Armite Laboratories, 6609 Broad St., Los Angeles 1, Cal.
Armour & Co., Industrial Soap Div., 1355 W. 31st St., Chicago 9, Ill.
Arms Textile Mfg. Co., 1407 Broadway, New York 18, N. Y.
Armstrong Machine Works, 956 Maple St., Three Rivers, Mich.
Arnold-Hoffman & Co., Inc., 55 Canal St., Providence, R. I.
Aroscent, Inc., P. O. Box 269, Dobbs Ferry, N. Y.
Arrow Fastener Co., Inc., 1 Junius St., Brooklyn 12, N. Y.
Arrow Mfg. Co., Inc., 2924 Terrace St., Kansas City 8, Mo.
Arrow Tank Co., Inc., 16 Barnett St., Buffalo 15, N. Y.
Asselin, Victor, Fur Co., 412 Eighth Ave., New York 1, N. Y.
Associated Crib Diapers Cos., 4747 N. Damen Ave., Chicago 25, Ill.
Atlanta Brush Co., Box 1358, Atlanta 1, Ga.
Atlanta Paper Co., Marietta Ave., Atlanta, Ga.
Atlas Body Co., 4150 E. Thompson St., Philadelphia 37, Pa.
Atlas Powder Co., Industrial Chemicals Dept., Wilmington 99, Del.
Atlas Powder Co., Revolite Div., Ludlow St., Stamford, Conn.
Atlas Steel Products, Inc., 1160 Chico Ave., El Monte, Cal.
Attapulgus Clay Co., 210 W. Washington Sq., Philadelphia 5, Pa.
Autographic Register Co., Seventh & Park, Hoboken, N. J.
Automatic Paper Box Corp., 1011-25 S. California Ave., Chicago, Ill.
Automatic Steam Products Corp., 140 W. 31st St., New York, N. Y.
Automobile Insurance Co., 151 Farmington Ave., Hartford, Conn.
Ayerst, McKenna & Harrison, 22 E. 40th St., New York 16, N. Y.

B

B & C Engineering Co., 2706 Chestnut St., Toledo, Ohio
B & G Machinery Co., Inc., 2432 Southeastern Ave., Indianapolis 1, Ind.
Baehr Laundry Machine Co., 29 Calumet St., Newark 5, N. J.
Bailey Meter Co., 1050 Ivanhoe Rd., Cleveland 10, Ohio
Bailey, Prihoda & Co., 326 Kalamazoo Ave., Kalamazoo 11, Mich.
Barber-Colman Co., 1300 Rock St., Rockford, Ill.
Barco Mfg. Co., 1801-13 Winnemac Ave., Chicago 40, Ill.
Barreled Sunlight Paint Co., 10 E. Dudley St., Providence 1, R. I.
Barrett Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
Bartlett Label Co., 2135 Portage St., Kalamazoo 29F, Mich.
Bauer, Samuel, & Sons, Inc., 143 W. 29th St., New York, N. Y.
Beach Soap Co., 125 Lawrence St., Lawrence, Mass.
Beaver Pipe Tools, Inc., 310 Dana Ave., Warren, Ohio

Behrstock, L., Co., 1708 S. State St., Chicago 16, Ill.
Belnap & Thompson, Inc., 271 Madison Ave., New York, N. Y.
Bemis Bro. Bag Co., 408 Pine St., St. Louis 2, Mo.
Benda Products, Inc., 120 Potter St., Cambridge 42, Mass.
Bendix Aviation Corp., Flexible Hose Div., U. S. Route 6, Teterboro, N. J.
Benton Bros., 2322 12th Ave., N., Birmingham, Ala.
Benwall Mfg. Co., Inc., 2859 Atlantic Ave., Brooklyn 7, N. Y.
Bergen Machine Tool Co., Inc., Badne Unit Springs Div., 189 Franklin Ave., Nutley 10, N. J.
Berger Mfg. Div., Republic Steel Corp., 1038 Belden Ave., N. E., Canton 5, Ohio
Berlou Mfg. Co., 421 Marion St., Marion, Ohio
Bernard Franklin Co., Inc., 3000 E. Hedley St., Philadelphia, Pa.
Bersworth Chemical Co., Waverly St., Framingham, Mass.
Bertsch & Co., Cambridge City, Ind.
Besley Corp., 4053 Harlan St., Emeryville 8, Cal.
Best Forms Co., 10 Grace St., P. O. Box 736, Wilmington, N. C.
Bestway Shine Removal Co., Inc., 416 Madison Ave., New York 17, N. Y.
Better Packages, Inc., 254 Canal St., Shelton, Conn.
Bigelow Chemical Products Corp., 98 Bigelow St., Quincy 69, Mass.
Bigelow-Sanford Carpet Co., 136 Madison Ave., New York 16, N. Y.
Bildwell Manufacturers, 315 E. Liberty St., Ann Arbor, Mich.
Bimberg, Ben, & Co., Inc., 373 Broadway, New York 10, N. Y.
Binks Mfg. Co., 3114 W. Carroll Ave., Chicago 12, Ill.
Bishop, G. H., Co., 1600 Foster Ave., Evanston, Ill.
Blackmer Pump Co., 1809 Century Ave., S. W., Grand Rapids 7, Mich.
Blenco Co., 698 Manhattan Ave., Brooklyn 22, N. Y.
Bock Laundry Machine Co., Toledo Factories Bldg., Toledo 2, Ohio
Boiler Engineering & Supply Co., 330 Fourth Ave., Phoenixville, Pa.
Bond Foundry & Machine Co., Manheim, Pa.
Bond Street Bag & Paper Corp., 90 First St., Brooklyn 31, N. Y.
Bonis Bros. Fur Machinery Corp., 312 Seventh Ave., New York 1, N. Y.
Bonn, F. H., Co., 619 W. Fulton St., Chicago 6, Ill.
Bostitch, Inc., 537 Mechanic St., Westerly, R. I.
Boston Clip & Tag Co., 48 Grove St., Somerville, Mass.
Bostwick-Batterson Co., 315-23 N. 12th St., Philadelphia 7, Pa.
Bostwick Laboratories, 706 Bostwick Ave., Bridgeport 5, Conn.
Bowser, Inc., 1312 E. Creighton Ave., Fort Wayne 6, Ind.
Boyertown Auto Body Works, Inc., Boyertown, Pa.
Brady Conveyors Corp., 20 W. Jackson Blvd., Chicago 4, Ill.
Braun Brush Co., 8833 78th St., Woodhaven 21, N. Y.
Bready Engineering Corp., 3103 N. 27th St., Milwaukee 16, Wisc.
Brenew Co., Platteville, Wisc.
Bressler Engineering Service, 509 N. Fourth Ave., P. O. Box 111, Oregon 1, Ill.
Breuer Electric Mfg. Co., 5100 N. Ravenswood Ave., Chicago 40, Ill.
Bridgeport Brass Co., 30 Grand St., Bridgeport 2, Conn.
Bristol Co., Waterbury 91, Conn.
Brooks, Alfred J., 184 Dent St., West Roxbury, Boston, Mass.
Bros. Wm., Boiler & Mfg. Co., 1057 10th Ave., S.E., Minneapolis 14, Minn.
Brunwell Co., 450 N. Findlay St., Dayton 1, Ohio
Brumber & Zinniel, 6211 N. Bay Ridge Ave., Milwaukee, Wisc.
Bruner Corp., 2318 N. 30th St., Milwaukee 45, Wisc.
Brunner Mfg. Co., 1821 Broad St., Utica 1, N. Y.
Bryan Steam Corp., P. O. Box 337, Peru, Ind.
Bryant Heater Div., Affiliated Gas Equipment, Inc., 17825 St. Clair Ave., Cleveland 10, Ohio
Buffalo Meter Co., 2917 Main St., Buffalo 14, N. Y.
Bunn, B. H., Co., 7605 Vincennes Ave., Chicago 20, Ill.
Burcutt Mills, 616 W. Fulton St., Chicago 6, Ill.
Burroughs Adding Machine Co., 6071 Second Ave., Detroit 32, Mich.
Bussard, R. D., & Son, 505 E. Fifth Ave., Albany, Ore.
Butler Engineering Co., 2612 Rousseau St., New Orleans 13, La.
Butler Mfg. Co., 7400 E. 13th St., Kansas City 3E, Mo.

C

C & H Electric Co., 436 W. Juneau Ave., Milwaukee 3, Wisc.
C. O. D. Cleaning & Dyeing Co., Davenport, Iowa
Cade Paper & Bag Corp., 58 Sedgewick St., Brooklyn 2, N. Y.
Caldwell, W. E., Co., 2050 Brook St., Louisville, Ky.
Cal Products Co., 2132 Sacramento St., Los Angeles, Calif.
Caled Products Co., Inc., 4200 Bladensburg Blvd., Brentwood, Md.
Calgon, Inc., Hagan Bldg., Pittsburgh, Pa.
California Laundry Equipment Co., 2221 Union St., Oakland, Cal.
Callaway Mills, Inc., 295 Fifth Ave., New York 16, N. Y.
Campbell Box & Tag Co., Main & Guide Sts., South Bend 23, Ind.
Campbell, J. A., Co., 645 E. Wardlow Rd., Long Beach 7, Cal.
Canton Stoker Corp., 1200 Andrew Pl., Canton 1, Ohio
Canvas Specialty Co., P. O. Box 937, Hartford 1, Conn.
Capital Poster Service, Inc., 307 Canal St., New York, N. Y.
Cappel, MacDonald & Co., 30 E. 60th St., New York, N. Y.
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y.
Carey, Philip, Mfg. Co., Lockland St., Cincinnati 15, Ohio
Carey Salt Co., Carey Bldg., Hutchinson, Kans.
Carlton Chemical Co., Inc., 33 Commerce St., New York 14, N. Y.
Carlyle Rubber Co., Inc., 64 Park Pl., New York 7, N. Y.
Carnegie-Illinois Steel Corp., Carnegie Bldg., Pittsburgh 30, Pa.
Carrier Corp., 300 S. Geddes St., Syracuse, N. Y.
Carry-Pack Co., Ltd., 9525 W. Irving Park Rd., Schiller Park, Ill.
Carson Textile Co., Inc., 2401 S. Swanson St., Philadelphia, Pa.
Carter's Ink Co., 239 First St., Cambridge 42, Mass.
Carver Pump Co., Hershey & Green Sts., Muscatine, Iowa
Cash, A. W., Co., P. O. Box 551, Decatur, Ill.
Cash, J. & J., Inc., Chestnut St., South Norwalk, Conn.
Caterpillar Tractor Co., 350 Fifth Ave., New York, N. Y.
Central Brass Mfg. Co., 2950 E. 55th St., Cleveland 4, Ohio
Central Dyeing Co., 1550 Dickson Ave., Scranton 9, Pa.
Centrize, 2224 63rd St., Kenosha, Wisc.
Century Electric Co., 1806 Pine St., St. Louis 3, Mo.
Century Paper Products Co., 333 N. Francisco, Chicago, Ill.
Certified Chemical & Equipment Co., 5366 St. Clair Ave., Cleveland 3, Ohio
Chace Valve Div., American Laundry Machinery Co., Norwood Station, Cincinnati 12, Ohio
Challenge Marking Tag Co., 3917-21 W. Jefferson Blvd., Los Angeles 16, Cal.
Chambers Extractor Co., 201 Embarcadero, San Francisco 11, Cal.
Champion Implement Corp., 45 W. 45th St., New York 19, N. Y.
Chandler Machine Co., West St., Ayer, Mass.
Charlotte Leather Belting Co., 314-B E. Sixth St., Charlotte 1, N. C.
Chase Brass & Copper Co., 236 Grand St., Waterbury 91, Conn.
Chatillon, John, & Sons, 89 Cliff St., New York 38, N. Y.
Checking System Co. 515 S. Walker St., Columbia, S. C.
Chek Products, Inc., 31 Nassau Pl., East Orange, N. J.
Chelsea Fan & Blower Co., 639 South Ave., Plainfield, N. J.
Chempump Corp., 1300 E. Mermaid Lane, Philadelphia 18, Pa.
Chevlin, Samuel, Co., Inc., 2721 N. Halsted St., Chicago 4, Ill.
Chevrolet Motor Div., General Motors Corp., Detroit 2, Mich.
Chicago Automatic Stoker Co., 14 N. Clinton St., Chicago 6, Ill.
Chicago Dryer Co., 2210 N. Pulaski Rd., Chicago 39, Ill.
Chicago Pump Co., 2300 Wolfram St., Chicago 18, Ill.
Chicago Used & New Laundry Equipment Co., 3128 W. Lake St., Chicago 12, Ill.
Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp., Fremont Ave., Tonawanda, N. Y.
Chrysler Corp., Airtemp Div., 1119 Leo St., Dayton, Ohio
Chrysler Corp., Amplex Div., 6501 Harper Ave., Detroit 31, Mich.
Cidex Corp., 44 Sherman Ave., Jersey City 7, N. J.
Cincinnati Marking Tag & Supply Mfg. Co., 12 E. Ninth St., Cincinnati 2, Ohio
Cincinnati Repair Service, 413 Race St., Cincinnati, Ohio
Cissell, W. M., Mfg. Co., Inc., P. O. Box 1143, 831 S. First St., Louisville 3, Ky.
Clarage Fan Co., North & Porter Sts., Kalamazoo 16, Mich.
Clark Mfg. Co., 1830 E. 38th St., Cleveland 14, Ohio
Clayton Mfg. Co., 1363 N. Temple City Blvd., El Monte, Cal.
Cleaners Hanger Co., 18140 James Couzens Highway, Detroit 35, Mich.
Cleaners Sales & Equipment Corp., 25 Division Pl., Brooklyn 22, N. Y.
Cleaners Specialties Supplies Co., 6615 N. Fairfield Ave., Chicago 45, Ill.
Clear View Packaging Co., 7924 S. Exchange, Chicago, Ill.
Cleaver-Brooks Co., 358 E. Keefe Ave., Milwaukee 12, Wisc.
Cleveland Garment Hanger Co., 8205 Madison Ave., Cleveland 2, Ohio
Cleveland Heater Co., 2310 Superior Ave., Cleveland, Ohio
Cleveland Rug Cleaning Machinery Co., 5618 Hamlet Ave., Cleveland 4, Ohio
Clinton Foods Inc., Clinton, Iowa
Clinton Products Co., Clinton 7, Mich.
Clipper Belt Lacer Co., 974 Front Ave., N.W., Grand Rapids 2, Mich.
Clopay Corp., Clopay Sq., Cincinnati 14, Ohio
Clorox Chemical Co., 850 42nd Ave., Oakland 1, Cal.
Coates Electric Mfg. Co., 3610 First Ave. S., Seattle 4, Wash.
Cochrane Corp., 3101 N. 17th St., Philadelphia 32, Pa.
Coe Mfg. Co., Bank St., Painesville, Ohio
Coffman Mfg. Corp., 531 Milwaukee Ave., Chicago 22, Ill.
Cole Leather Cleaners of America, 1287 Second Ave., New York 21, N. Y.
Colgate-Palmolive Co., 105 Hudson St., Jersey City 2, N. J.
College Chemical Co., 16 Brooks Park, Medford, Mass.
Colonial Envelope Co., Inc., 24 East 22nd St., New York, N. Y.
Colonial Rubber Co., Ravenna, Ohio
Colorado Tent & Awning Co., 1642 Lawrence St., Denver 2, Colo.
Colson Corp., N. Cedar St., Elyria, Ohio
Columbia Appliance Corp., 47-47 35th St., Long Island City, N. Y.
Columbia Boiler Co., Pottstown, Pa.
Columbia Laundry Machinery Co., 1313-19 E. 15th St., Kansas City, Mo.
Columbia Sewing Machine Corp., 129-131 W. 22nd St., New York 3, N. Y.
Columbia-Southern Chemical Corp., 632 Duquesne Way, Pittsburgh 22, Pa.
Columbus Reweavers, 7651 N. E. Second Ave., Miami, Fla.
Combustion Control Corp., 77 Broadway, Cambridge 42, Mass.
Combustioneer Div., Steel Products Engineering Co., 1205 W. Columbia St., Springfield, Ohio
Combustion Engineering Co., Inc., 200 Madison Ave., New York, N. Y.
Comer Co., 308 Ivy St., N. E., Atlanta 1, Ga.
Comet Envelope & Paper Co., Inc., 5 E. 17th St., New York 3, N. Y.
Commercial Filters Corp., 2 Main St., Melrose 76, Mass.
Commercial Investment Trust, Inc., 1 Park Ave., New York 16, N. Y.
Commercial Tag Co., 187 Vanderbilt Ave., Brooklyn 5, N. Y.
Conco Engineering Works, Div. H. D. Conkey & Co., 1900 Orange St., Mendota, Ill.
Concord Chemical Co., 80 E. Second St., Moorestown, N. J.
Cone Mills, Inc., 59 Worth St., New York 13, N. Y.
Connolly, J. J., Inc., 457 W. 40th St., New York 18, N. Y.
Conrad Embroidery Co., 523 30th St., Union City, N. J.
Con-Secu-Tag, Inc., 27 Hooper St., Brooklyn 11, N. Y.
Continental Car-Na-Var Corp., P. O. Box 344, Brazil, Ind.
Cook Machinery Co., Inc., 4122 Commerce St., Dallas, Texas
Cook's, Adam, Sons, Inc., 5 N. Stiles St., Linden, N. J.
Coolidge, John E., Co., 2508 W. Slauson Ave., Los Angeles 43, Cal.
Cooper-Bessemer Corp., N. Sandusky St., Mt. Vernon, Ohio
Cooper, H. P., Co., 308-10 S. Green St., Chicago 7, Ill.
Cornell Belting Co., 440 N. Wells St., Chicago 10, Ill.
Cornell Paperboard Products Co., Milwaukee 1, Wisc.
C-O-Two, U. S. Highway 1, Newark 1, N. J.
Cowles Chemical Co., 7016 Euclid Ave., Cleveland 3, Ohio
Crane Co., 836 S. Michigan Ave., Chicago 5, Ill.
Cravanette Co., U. S. A., Eighth & Madison Sts., Hoboken, N. J.
Crawford Fitting Co., 884 E. 140th St., Cleveland, Ohio
Crescent Belt Fastener Co., 480 Lexington Ave., New York 17, N. Y.
Crewdson Co., 626 S. Clark St., Chicago 5, Ill.
Crocker-Wheeler Electric Mfg. Co., Div. Joshua Hendy Iron Works, Ampere, N. J.

MANUFACTURERS

Crosby Steam Gauge & Valve Co., 10 Roland St., Boston 29, Mass.
Crown Mfg. Co., 1025 N. Sixth St., St. Louis 1, Mo.
Crucible Steel Co. of America, P. O. Box 88, Pittsburgh 19, Pa.
Culligan Zeolite Co., 1810 Shermer Rd., Northbrook, Ill.
Cummings-Landau Laundry Machinery Co., Inc., 305 Ten Eyck St., Brooklyn 6, N. Y.
Cupples-Hess Corp., 4175 N. Kingshighway Blvd., St. Louis 15, Mo.
Curry, J. W., Co., 2615 Cummins St., Cincinnati 25, Ohio
Curtis Mfg. Co., 1905 Kienlen Ave., St. Louis 20, Mo.
Custom Engineering Co., 3138 W. Slauson Ave., Los Angeles 43, Cal.
Custom Fur Service, Inc., Second Ave. at 109th St., Troy, N. Y.
Cutler-Hammer, Inc., 315 N. 12th St., Milwaukee 1, Wisc.
Cyclotherm Div., U. S. Radiator Corp., 157 E. First St., Oswego, N. Y.

D

Dahlberg Machinery Co., 417 Torrey Bldg., Duluth, Minn.
Dakota Chemical Co., Aberdeen, S. D.
Daniels, C. R., Inc., Daniels, Md.
Darco Dept. (Atlas Powder Co.), 60 E. 42nd St., New York 17, N. Y.
Darnell Corp., Ltd., 12000 Woodruff Ave., Downey, Cal.
Davies-Young Soap Co., Box 995, Dayton 1, Ohio
Davis Emergency Equipment Co., Inc., 45 Halleck St., Newark 4, N. J.
Davis Engineering Corp., 1604 E. Grand St., Elizabeth 4, N. J.
Davis, K. H., Mfg. Corp., 2415 E. 23rd St., Los Angeles 11, Cal.
Davis Mills, Inc., 211 Grant Ave., East Newark, N. J.
Davis Regulator Co., 2663 W. 25th Pl., Chicago 8, Ill.
Davis Specialties, Inc., 1600 Foster Ave., Evanston, Ill.
Davis-Weil Mfg. Co., Inc., 931 S. Front St., Memphis 3, Tenn.
Dean Hill Pump Co., 4000 E. 16th St., Indianapolis 7, Ind.
DeBothezat Fans Div., American Machine & Metals, Inc., East Moline, Ill.
Decatur Pump Co., 2750 Nelson Fk. Rd., Decatur 70, Ill.
Deep Rock Oil Corp., 155 N. Clark St., Chicago 90, Ill.
Defender Instrument & Regulator Co., 815 Clark Ave., St. Louis 2, Mo.
Dejur Electric Works, 124 Bleecker St., New York 12, N. Y.
De Kalb Commercial Body Corp., De Kalb, Ill.
Delan Co., 421 E. Fourth South St., Salt Lake City 2, Utah
De Laval Steam Turbine Co., 853 Nottingham Way, Trenton 2, N. J.
Dello Products Co., 1109-11 First St., Lanett 1, Ala.
Deming Co., Salem, Ohio
Denney Tag Co., West Chester, Pa.
Dennison Mfg. Co., 300 Howard St., Framingham, Mass.
Denominator Co., 261 Broadway, New York, N. Y.
D'Este Div., Kaye & McDonald, Inc., 11-15 Central Ave., West Orange, N. J.
Detecto Scales, Inc., 540 Park Ave., Brooklyn 5, N. Y.
Detex Watchclock Corp., 76 Varick St., New York 13, N. Y.
Detroit Belt Lacer Co., 3951 A St., Detroit 16, Mich.
Detrex Corp., Box 501, Detroit 32, Mich.
Detroit Stoker Co., General Motors Bldg., Detroit, Mich.
DeVilbiss Co., 300 Phillips Ave., Toledo 1, Ohio
Devoe & Raynolds Co., Inc., 44th St. & First Ave., New York, N. Y.
Dewey-Shepard Boiler Co., 1311 N. Capital Ave., Indianapolis 2, Ind.
Diamond Alkali Co., 300 Union Commerce Bldg., Cleveland 14, Ohio
Diamond Cham Co., Inc., 402 Kentucky Ave., Dept. 442, Indianapolis 7, Ind.
Diamond Chemical Co., 720 Clementine St., San Francisco 3, Cal.
Diamond Chemical Co., Inc., 34-02 Laurel Hill Rd., Maspeth 78, N. Y.
Diamond Metal Products Co., 406 Market St., St. Louis 2, Mo.
Diamond T Motor Co., 4401 W. 26th St., Chicago 23, Ill.
Diamond Wire Hanger Co., 252 State St., Clairton, Pa.
Diculite Div., Great Lakes Carbon Corp., 612 S. Flower St., Los Angeles 17, Cal.
Dico Co., 200 S. W. 16th St., Des Moines 5, Iowa
Diehl Mfg. Co., Electrical Div. Singer Mfg. Co., 1136 Finderne Ave., Somerville, N. J.
Diem & Wing Paper Co., Gilbert Ave. Viaduct, Cincinnati 2, Ohio
Dipcraft Mfg. Co., 1238 Voskamp St., Pittsburgh 12, Pa.
Ditmas Garment Dyers Corp., 9528-30 Ditmas Ave., Brooklyn 12, N. Y.
Divco Corp., 22000 Hoover Rd., P. O. Box 3507, Park Grove Station, Detroit 5, Mich.
Dixie Hanger Co., Subsidiary United Paper Co., Inc., 1000 Chartres St., New Orleans 16, La.
Dixo Co., 225 River Dr., Garfield, N. J.
Dixon Boiler Works, 1625 Naud St., Los Angeles, Cal.
Doctor Boiler, Inc., 4316 Main St., Dallas, Texas
Dodge Div., Chrysler Corp., 7900 Jos. Campeau Ave., Detroit, Mich.
Dodson, Bruce, & Co., 28th & Wyandotte Sts., Kansas City 41, Mo.
Donnell Co., P. O. Box 84, St. Joseph, Mich.
Dover Stamping Co., 80 Federal St., Boston 10, Mass.
Dow Chemical Co., Midland, Mich.
Draper-Eze Equipment Co., 110-112 E. Sixth St., Erie, Pa.
Dravo Corp., 300 Penn Ave., Pittsburgh 22, Pa.
Dresser Mfg. Div., Dresser Industries, Inc., 41 Fisher Ave., Bradford, Pa.
Drew, E. F., & Co., Inc., 15 E. 26th St., New York 10, N. Y.
Driair Process Machinery Co., Penn & Ruan Sts., Philadelphia 24, Pa.
Drico Industrial Corp., 29 Broadway, New York 6, N. Y.
Dri Flo Mfg. Co., 642 E. Ten Mile Rd., Hazel Park, Mich.
Driseal Co., 251 Causeway St., Boston 14, Mass.
Dryco Div., G. H. Bishop Co., 1600 Foster Ave., Evanston, Ill.
Dublfe Collar Co., 268 Fourth Ave., New York 10, N. Y.
Duffen Dye Works, 2213 County St., Portsmouth, Va.
Duo-White Co., S. Jefferson Rd., Whippany, N. J.
Du Pont de Nemours, E. I., & Co., Inc., Wilmington 98, Del.
Durant Mfg. Co., 1925 N. Buffum St., Milwaukee 1, Wisc.
Dura-Tech Chemical Mfrs., 126 25th Ave., San Mateo, Calif.
Duro Envelope Co., 24 E. 22nd St., New York 10, N. Y.
Dwyer, F. W., Mfg. Co., 317 S. Western Ave., Chicago 12, Ill.
Dyo Chemical Co., 2200 S. Central Expressway, Dallas, Texas

E

Eagle Belting & Leather Co., 1401 Central Parkway, Cincinnati 14, Ohio
Eagle Mfg. Co., 24th & Charles Sts., Wellsburg, W. Va.
Eastern Cyclone Conveyor System, Inc., 876 Van Houten Ave., Clifton, N. J.
Easy Industries, 162 N. Clinton St., Chicago 6, Ill.
Eaton Chemical & Dyestuff Co., 1490 Franklin St., Detroit 7, Mich.
Ebco Mfg. Co., 401 W. Town St., Columbus, Ohio
Eclipse Fuel Engineering Co., 1100 Buchanan St., Rockford, Ill.
Eclipse Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
Economy Hanger Machine & Equipment Co., 3670 El Cajon Blvd., San Diego, Cal.
Economy Tablet & Paper Co., 667 W. 14th St., Chicago, Ill.
Econo-Pak Register Co., 1337 E. 27th St., Kansas City 8, Mo.
Edwards, Vincent, & Co., 342 Madison Ave., New York 17, N. Y.
Edward Valves, Inc., Subsidiary Rockwell Mfg. Co., 1200 W. 145th St., East Chicago, Ind.
Egan Cotton Mills, 866 Murphy Ave., S.W., Atlanta 4, Ga.
Egry Register Co., 429 E. Monument Ave., Dayton 2, Ohio
Elcco Div., Intercontinental Mfg. Co., Inc., P. O. Box 578, Garland, Texas
Electric Auto-Lite Co., Instrument & Gauge Div., Champlain St., Toledo 1, Ohio
Electric City Dyeing Co., 509 Glenn St., Scranton, Pa.
Electric Steam Boiler Sales, Div. Wolf Co., Wolf Ave., Chambersburg, Pa.
Electric Storage Battery Co., 42 S. 15th St., Philadelphia 2, Pa.
Electro Chemical Engineering Co., Inc., P. O. Box 27, Bremen Station, St. Louis 7, Mo.
Electro Lift, Inc., 30 Church St., New York 7, N. Y.
Elgin-Refinite, Div. of Elgin Softener Corp., 150 N. Grove Ave., Elgin, Ill.
Ellenbogen & Shannon, Inc., 10½ Macdougal Alley, New York 11, N. Y.
Elliott Addressing Machine Co., 143 Albany St., Cambridge 39, Mass.
Elliott Co., Crocker-Wheeler Div., Ampere, N. J.
Elliott, Robert, Press, Inc., 345 Ludlow St., Stamford, Conn.
Ellis Drier Co., 2444 N. Crawford Ave., Chicago 39, Ill.
Emery Industries, Inc., Sanitone Div., 4200 Carew Tower, Cincinnati 2, Ohio
Empire Cleaning & Dyeing Works, 622 Hollenbeck St., Rochester 5, N. Y.
Endriss Chemicals, 940 N. Delaware Ave., Philadelphia 23, Pa.
Engineering & Production Specialties, 75 Blanchard St., Jamestown, N. Y.
Equitable Paper Bag Co., Inc., 45-50 Van Dam St., Long Island City 1, N. Y.
Erie City Iron Works, 1550 East Ave., Erie, Pa.
Ernest, F. P., Mfg. Co., 1112 St. Clair Ave., East St. Louis, Ill.
Eure & Co., Box 221, Edgewater, Md.
Eureka Button Co., 892 Broadway, New York 3, N. Y.
Everett Sales & Equipment Corp., 251 Third Ave., New York 10, N. Y.
Ewing, R., & Sons, Inc., P. O. Box 454, Green Island, N. Y.
Excel Products Co., 533 W. Ninth St., Davenport, Iowa
Excelsior Machinery Co., 1452 Randolph St., Detroit 26, Mich.

F

Fablok Mills, Inc., 46 Cordier St., Irvington, N. J.
Fabricare Chemical Corp., 920-930 E. 43rd St., Chicago 15, Ill.
Fabricon Co., 8342 S. Prairie Ave., Chicago 19, Ill.
Fafnir Bearing Co., Booth St., New Britain, Conn.
Fairbanks Co., 393 Lafayette St., New York 3, N. Y.
Fairbanks Morse & Co., Fairbanks Morse Bldg., 600 S. Michigan Ave., Chicago 5, Ill.
Fairfield Laboratories, Plainfield, N. J.
Fastik Co., 1106 W. Erie St., Chicago 22, Ill.
Fawr, Inc., 1183 Jefferson Ave., Buffalo, N. Y.
Federal Motor Truck Co., 5780 Federal Ave., Detroit, Mich.
Fielden Instrument Corp., 2920 N. Fourth St., Philadelphia, Pa.
Filtrol Corp., 3250 East Washington Blvd., Los Angeles 23, Cal.
Firefly Asbestos Products Co., 175 Bergen St., Newark 3, N. J.
Fischer & Porter Co., Hatboro, Pa.
Fisher Dye Works, 1813 Emmanuel St., Houston, Texas
Fiske Bros. Refining Co., Lubriplate Div., 129 Lockwood St., Newark 5, N. J.
Flash Fast Marker Co., 994 Dover Ave., Akron 20, Ohio
Fleetwood-Airflow Div., E. L. Chrisman Co., 8255 Compton Ave., Los Angeles 1, Cal.
Fleischer Mills, Inc., 316 E. Fifth St., Cincinnati 2, Ohio
Fletcher Works, Inc., Glenwood Ave. & Second St., Philadelphia 40, Pa.
Flexible Steel Lacing Co., 4607 Lexington St., Chicago 44, Ill.
Flexonics Corp., 1304 S. Third Ave., Maywood, Ill.
Flintkote Co., 30 Rockefeller Plaza, New York 20, N. Y.
Flow-Master Machine Corp., 520 Third Ave., Brooklyn 15, N. Y.
Flynn & Emrich Co., 301 Holliday St., Baltimore 2, Md.
Ford, Luther, & Co., 100 N. Seventh St., Minneapolis 3, Minn.
Ford Motor Co., P. O. Box 658, Dearborn, Mich.
Ford Tank Maintenance Co., Inc., 715 E. 136th St., New York 54, N. Y.
Formula Controls, Inc., 612 W. 26th St., Chicago 16, Ill.
Forse Equipment Corp., 600 W. 14th St., Anderson, Ind.
Foster-Stephens, Inc., 310 S. Christiana Ave., Chicago 24, Ill.
Foxboro Co., 38 Neponset Ave., Foxboro, Mass.
Franklin Mfg. Co., 2615 E. Franklin Ave., Minneapolis 6, Minn.
Franklin Research Co., 5134 Lancaster Ave., Philadelphia 31, Pa.
Fre-Bir-Pac, Inc., 876 Van Houten Ave., Clifton, N. J.
Fremont Rubber Co., 317 McPherson Highway, Fremont, Ohio
French Textile Co., 432 Ave. A., Rochester, N. Y.
Freund, Freund & Co., Inc., 102 Franklin St., New York 13, N. Y.
Freydberg Bros.-Strauss, Inc., 419 Fourth Ave., New York 16, N. Y.
Frigidaire Div., General Motors Corp., 300 Taylor St., Dayton 1, Ohio
Fry Bros. Co., 3600 Cardiff Ave., Cincinnati 9, Ohio
Frye, E. B., & Son, Wilton, N. H.
Fulton Boiler Works, Inc., P. O. Box 122, Oswego, N. Y.
Fumol Corp., 49-65 Van Dam St., Long Island City 1, N. Y.

G

G & G Chemical Co., 704 W. Broadway, Hopewell, Va.
GMC Truck & Coach Div., General Motors Corp., 660 South Blvd., E., Pontiac 11, Mich.
Gabriel Boiler & Fabrication Co., 1428 N.W. 14th Ave., Portland 9, Ore.
Gardner-Denver Co., Gardner Dr., Quincy, Ill.
Gardner Machinery Corp., N. Andrill Terrace & Seaboard Railway, Charlotte 1, N. C.
Garment Finishing Equipment Corp., 18 Brattle St., Cambridge 38, Mass.
Garment Hanger Co., 2624 Geraldine St., Los Angeles 11, Cal.
Gasway Corp., 6463 N. Ravenswood Ave., Chicago 26, Ill.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
General Aniline & Film Corp., Special Products Sales Div., 444 Madison Ave., New York 22, N. Y.
General Boiler Equipment Corp., 2651-53 Gravois St., St. Louis 18, Mo.
General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
General Cleaners Products Co., 410 N. Kedzie Ave., Chicago 12, Ill.
General Control Co., 1216 Soldiers Field Rd., Boston 34, Mass.
General Detroit Corp., 2272 E. Jefferson St., Detroit 7, Mich.
General Dyeing Co., 818 Dorman St., Indianapolis 2, Ind.
General Dyestuff Corp., 435 Hudson St., New York 14, N. Y.
General Electric Co., 1 River Rd., Schenectady 5, N. Y.
General Electric Co., Air Conditioning Dept., 5 Lawrence St., Bloomfield, N. J.
General Electric Co., Lamp Dept., Nela Park, Cleveland, Ohio
General Luminescent Corp., 732 S. Federal St., Chicago 5, Ill.
General Motors Corp., General Motors Bldg., Detroit 2, Mich.
General Pacific Corp., 1501 E. Washington Blvd., Los Angeles 21, Cal.
General Scientific Equipment Co., 27th & Huntingdon Sts., Philadelphia 32, Pa.
Gerber Mfg. Co., 1602 W. Sixth St., Mishawaka, Ind.
Germaclean, Inc., 431 Niagara St., Buffalo 1, N. Y.
Germain's Inc., Twist-Ems Div., Los Angeles 21, Cal.
Gibraltar Fabrics, Inc., 2236 Pitkin Ave., Brooklyn 7, N. Y.
Gifford, H. M., Mfg. Co., 2732 B St., Philadelphia 34, Pa.
Gilcor Mfg. Co., Inc., 3 E. Palisade Ave., Englewood, N. J.
Glamorene, Inc., 10 E. 44th St., New York 17, N. Y.
Glidden Co., 11001 Madison Ave., Cleveland 2, Ohio
Glos'n Products Co., Inc., 11131 Michigan Ave., Chicago 28, Ill.
Globe Ticket Co. of New England, 620 Commonwealth Ave., Boston 15, Mass.
Globe Weaving Co., 17 N. State St., Chicago, Ill.
Glover, Bill, Inc., 5204 Truman Rd., Kansas City 1, Mo.
Golden-Anderson Valve Specialty Co., 1232 Ridge Ave., Pittsburgh 33, Pa.
Goldman Mfg. Co., 13697 Elmira, Detroit 27, Mich.
Goldman Pressing Machine Corp., 400 W. Broadway, New York 12, N. Y.
Goodrich, B. F., Co., 500 S. Main St., Akron 18, Ohio
Goodyear Tire & Rubber Co., Akron, Ohio
Gorton Heating Corp., Cranford, N. J.
Goulds Pumps, Inc., 300 Fall St., Seneca Falls, N. Y.
Graton & Knight Co., 356 Franklin St., Worcester 4, Mass.
Graver Tank & Mfg. Co., Inc., 4809 Tod Ave., East Chicago, Ind.
Graves & Marshall Co., 720 E. Monument Ave., Dayton 2, Ohio
Great Eastern Paper Converters, Inc., 38-60 Review Ave., Long Island City 1, N. Y.
Greaves Machine Tool Co., 2001-17 Eastern Ave., Cincinnati 2, Ohio
Green, A. P., Fire Brick Co., Mexico, Mo.
Greenville Chemical Co., E. Stone & Bennett, Greenville, S. C.
Greif Bros. Cooperage Corp., Wire Garment Hanger Div., Pennsylvania Ave., Delaware, Ohio
Grimes Co., 2900 Main St., Dallas 1, Texas
Gronauer, M. H., Co., 11 Nettleton, Memphis 2, Tenn.
Gross Machinery Co., Inc., 179-191 Halbert St., Buffalo 14, N. Y.
Gulf Oil Corp.-Gulf Refining Co., 3800 Gulf Bldg., Pittsburgh 30, Pa.
Gummed Tape & Devices Co., 1318-20 60th St., Brooklyn 19, N. Y.
Gustin-Kramer Co., 74-80 Cummington St., Boston 15, Mass.
Guth, Edwin F., Co., 2615 Washington Ave., St. Louis 3, Mo.

H

Hachik Bleach Co., Wynnfield Ave., Philadelphia 31, Pa.
Haertel, Walter, Co., 2840 Fourth Ave., S., Minneapolis 8, Minn.
Hagan Corp., 323 Fourth Ave., Pittsburgh 22, Pa.
Hall, Amos H., & Sons, 5500 N. Water St., Philadelphia 20, Pa.
Hamilton Caster & Mfg. Co., 1637 Dixie Highway, Hamilton, Ohio
Hamilton Copper & Brass Works, Div. Brighton Copper Works, Inc., 820 State Ave., Cincinnati 4, Ohio
Hammel-Dahl Co., 247 Richmond St., Providence 3, R. I.
Hammond Laundry-Cleaning Machinery Co., Hammond Bldg., Waco, Texas
Handy Button Machine Co., 2255 S. Rockwell St., Chicago 8, Ill.
Handy Specialties, 9159 W. Pico Blvd., Los Angeles 35, Cal.
Hanscom, H. F., & Co., 38 Hospital St., Providence 3, R. I.
Hapman-Dutton Co., Dutton Boiler Div., 629 Gibson St., Kalamazoo 6, Mich.
Harris Bros. Mfg. Co., Inc., 20-22 Grotan Ave., Cortland, N. Y.
Harrison, Robert D., Inc., 566 E. Warren Ave., Detroit 2, Mich.
Hatters Supply House, Inc., 404 S. Wells St., Chicago 7, Ill.
Hauser-Stander Tank Co., 4838 Spring Grove Ave., Cincinnati 32, Ohio
Haynes Stellite Co., Unit of Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y.
Hays Corp., 742 E. Eighth St., Michigan City, Ind.
Healy-Ruff Co., 2255 University Ave., St. Paul 4, Minn.
Heinemann Electric Co., Pennsylvania Ave. & Plum St., Trenton 2, N. J.
Heller, B., & Co., 3925 Calumet Ave., Chicago 15, Ill.
Heminway & Bartlett Mfg. Co., 500 Fifth Ave., New York 35, N. Y.
Henrici Laundry Machinery Co., 11 Henrici St., Mattapan Station, Boston 26, Mass.
Henry Hanger Co. of America, 450 Seventh Ave., New York 1, N. Y.
Hercules Laundry Machinery Co., Inc., 132-36 W. 124th St., New York 27, N. Y.
Hercules Powder Co., 952 King St., Wilmington, Del.
Herman Body Co., 4400 Clayton Ave., St. Louis 10, Mo.
Hettrick Mfg. Co., 1401 Summit St., Toledo 12, Ohio
High Chemical Co., Chemical Specialties Div., 1760 N. Howard St., Philadelphia 22, Pa.
Hild Floor Machine Co., 740 W. Washington Blvd., Chicago 6, Ill.
Hinz Needle Co., 10018 S. Rhodes Ave., Chicago 26, Ill.
hi-Tone Soap Co., Randolph, Neb.
Hodge, Farwell & Co., 1934 Sterling Ave., Elkhart, Ind.
Hodges Jack, Specialty Co., 1529 Westheimer Rd., Houston 6, Texas.
Hoffman, U. S. Machinery Corp., 105 Fourth Ave., New York, 3, N. Y.
Hollingsworth & Vose Co., 112 Washington St., East Walpole, Mass.
Holt Mfg. Co., 651-81 20th St., Oakland 12, Cal.
Hood Chemical Co., Inc., Crescent Div., 80 Rittenhouse Pl., Ardmore, Pa.
Hoof Products Co., 6543 S. Laramie Ave., Chicago 38, Ill.
Hooker Electrochemical Co., Niagara Falls, N. Y.
Hooper, Wm. E., & Sons, Woodberry, Baltimore, Md.
Hope Webbing Co., Providence 1, R. I.
Hopkins Equipment Co., 22 Maple Ave., Hatfield, Pa.
Horn, A. C., Co., Inc., 10th St. & 44th Ave., Long Island City 1, N. Y.
Horwath Laundry Machine Mfg. Co., 1002 S. 13th St., Omaha, Neb.
House of Plastics Div. Neon Sign Co., Inc., N. 14th at Taylor, Herrin, Ill.
Howe Paper Corp., 670 Young St., Tonawanda, N. Y.
Howe Scale Co., Rutland, Vt.
Hoyt Mfg. Corp., Forge Rd., Westport, Mass.
Hub Printing Services, 320 N. Euclid Ave., Oak Park, Ill.
Hubinger Co., 601 Main St., Keokuk, Iowa
Huebsch Mfg. Co., Div. American Laundry Machinery Co., 3775 N. Holton St., Milwaukee 1, Wisc.
Hughes Co., 10 East 39th St., New York 16, N. Y.
Hungerford & Terry, Inc., Atlanta Ave., Clayton, N. J.
Huntington Laboratories, Inc., 900-970 E. Tipton St., Huntington, Ind.
Huron Milling, Co., 9 Park Pl., New York 7, N. Y.
Hydraxtor Co., Div. Zephyr Laundry Machinery Co., LaSalle & Huron Sts., Chicago 10, Ill.
Hygrade Button & Supply Co., 19 W. 34th St., New York 1, N. Y.

I

Ideal Industries, Inc., Park Ave., Sycamore, Ill.
Ideal Lighting Co., 2219 63rd St., Kenosha, Wisc.
Ideal Stencil Machine Co., 102 Iowa Ave., Belleville, Ill.
Ilg Electric Ventilating Co., 2850 N. Crawford Ave., Chicago 41, Ill.
Illinois Laundry Machinery Mfg. Co., 3128 W. Lake St., Chicago, Ill.
Imperial Dye House, 3421 Tulane Ave., New Orleans 19, La.
Imperial Laundry Machinery Co., 245 Huron St., Brooklyn 22, N. Y.
Indiana Dye House, 122-126 State St., Hammond, Ind.
Indiana Mfg. Co., 1900 E. Main St., New Albany, Ind.
Industrial Equipment Co., 361 N. Ada St., Chicago 1, Ill.
Industrial Grain Products, Ltd., 741 Talbot St., London, Ont., Can.
Industrial Products Co., 2654 N. Fourth St., Philadelphia 33, Pa.
Infilco, Inc., P. O. Box 5033, Tucson, Ariz.
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Ink-O Products Co., 5101 Monte Vista St., Los Angeles 42, Cal.
Innis, Speiden & Co., 117 Liberty St., New York 6, N. Y.
Intercontinental Mfg. Co., Inc., P. O. Box 578, Garland, Texas
International Boiler Works Co., 500 Birch St., East Stroudsburg, Pa.
International Engineering, Inc., 1145 Bolander Ave., Dayton 1, Ohio
International Harvester Co., 180 N. Michigan Ave., Chicago, Ill.
International Metal Polish Co., 1910 Quill St., Indianapolis 7, Ind.
International Nickel Co., Inc., 67 Wall St., New York 5, N. Y.
International Paper Co., Southern Kraft Div., 220 E. 42nd St., New York 17, N. Y.
International Salt Co., Scranton 2, Pa.
International Steel Wool Corp., 2205 Park Rd., Springfield, Ohio
International Tag & Salesbook Co., 319 N. Whipple St., Chicago 12, Ill.
International Ticket Co., 50 Grafton Ave., Newark 4, N. J.
International Wire Hanger Mfg. Co., 2128 W. Lake St., Chicago 12, Ill.
Invincible Vacuum Cleaner Mfg. Co., 14th & Davis Sts., Dover, Ohio
Inweaving Co. of America, 1505 11th St., Wichita Falls, Texas
Iowa Soap Co., 816 Valley St., Burlington, Iowa
Iron Fireman Mfg. Co., 3170 W. 106th St., Cleveland 11, Ohio
Iselin-Jefferson Co., Inc., 90 Worth St., New York 13, N. Y.

J

Jacobson, Lawrence, Dye Works, Inc., Oxford Ave., Summerdale & Comly Sts., Philadelphia 24, Pa.
Jay-Dee, Inc., Mfg. Chemists, 946 Kenmore Blvd., Akron 14, Ohio
Jefferson Island Salt Co., Inc., Jefferson Island Bldg., 136 St. Matthews Ave., Louisville 7, Ky.
Jensen Mfg. Co., Broad St. & Hylton Rd., Palmyra, N. J.
Johns-Manville, 22 E. 40th St., New York 16, N. Y.
Johnson Chemical Industries, Inc., 99 Mellor Ave., Baltimore 28, Md.
Johnson Corp., 855 Wood St., Three Rivers, Mich.
Johnson Metal Hose, Inc., 10 Sperry, Waterbury 20, Conn.
Johnson, S. C., & Son, Inc., Racine, Wisc.
Johnson, W. F., Products Co., 309 Joliet Ave., San Antonio 9, Texas
Johnston Bros., Inc., 100 Pine St., Ferrysburg 1, Mich.
Johnston & Jennings Co., Div. Pettibone-Mulliken Corp., 6917 Bessemer Ave., Cleveland 27, Ohio
Jomac Inc. (formerly C. Walker Jones Co.), 6128 Woodstock St., Philadelphia 38, Pa.
Juno Cleaner Supplies, Inc., 632 Wythe Ave., Brooklyn 11, N. Y.

K

K & K, Inc., 16 Sutton St., Lawrence, Mass.
Kato Engineering Co., 1415 First Ave., Mankato, Minn.
Keckley, O. C., Co., 400 W. Madison St., Chicago 6, Ill.
Keeler, E., Co., 238 West St., Williamsport 3, Pa.
Keever Starch Co., 538 E. Town St., Columbus 15, Ohio
Kee Zipper Corp., 541 W. 34th St., New York 1, N. Y.
Kelley Iron Works, 801 W. First St., Charlotte, N. C.

MANUFACTURERS

Kelmaker Mfg. Co., 311 Sixth Ave., Rochelle, Ill.
Kelvinator Div., Nash-Kelvinator Corp., 14250 Plymouth Rd., Detroit, Mich.
Kenite Corp., Harwood Bldg., Scarsdale, N. Y.
Kennedy Car Liner & Bag Co., Inc., Hodell & Prospect Sts., Shelbyville, Ind.
Kennedy Products Co., 4315 Schenck Ave., P. O. Box 2, Cincinnati 36, Ohio
Kenney Softener & Filter Co., 3322-24 Montrose Ave., Chicago 45, Ill.
Kent Co., Inc., 244 Canal St., Rome, N. Y.
Kentucky Box & Truck Co., Fourth & Alvasia Sts. (P. O. Box 463), Henderson, Ky.
Kewanee Boiler Corp., Franklin St. & Q Tracks, Kewanee, Ill.
Kewanee-Ross Corp., Ross Heater Div., 1407 West Ave., Buffalo 13, N. Y.
Keyes-Davis Co., 110 14th St., Battle Creek, Mich.
Keystone Aniline & Chemical Co., 321 N. Loomis St. (1400 W), Chicago 7, Ill.
Keystone Chemical Co., 2019 Center St., N. W., Cleveland 13, Ohio
Keystone Coat & Apron Mfg. Corp. & Keystone Scent Conditioner Corp., 315 N. 12th St., Philadelphia 7, Pa.
Keystone Laundry Machinery Co., 413 N. Oswego St., Chicago 22, Ill.
Keystone Tag Co., West Chester, Pa.
Key-Tag Checking System Co., 6509 Hough Ave., Cleveland 3, Ohio
Kidde, Walter, & Co., Inc., 675 Main St., Belleville 9, N. J.
Kirk & Blum Mfg. Co., 3120 Forrer St. (Oakley), Cincinnati 9, Ohio
Kirk's Leather Cleaners, 7320 Melrose Ave., Los Angeles 46, Cal.
Kisco Boiler & Engineering Co., 2414 De Kalb St., St. Louis 4, Mo.
Kleanmore Laboratories, Inc., 1926 N. Franklin Ave., Flint, Mich.
Kleen Hamper, Inc., Greenville, Ill.
Kletnick, L., & Co., 8342 S. Prairie Ave., Chicago 19, Ill.
Kliegman Bros., Inc., 76-01 77th Ave., Glendale, Brooklyn 27, N. Y.
Kling "100" Corp., 1827 N. Harlem Ave., Chicago 37, Ill.
Klipfel Mfg. Co., 1000 Weller Ave., Hamilton, Ohio
Knight, Maurice A., Settlement, Akron 6, Ohio
Knitted Padding Co., 105 Chapman St., Canton, Mass.
Kohnstamm, H., & Co., Inc., 83-93 Park Pl., New York 7, N. Y.
Kol Master Corp., P. O. Box 111, Oregon 1, Ill.
Kordite Corp., Main St., Macedon, N. Y.
Kran-Mer Corp., 2433-35 N. Third St., Milwaukee 12, Wisc.
Krasan Products, Inc., 1230 Edward St., P. O. Box 1166, Richmond 1, Cal.
Kresky Mfg. Co., Inc., 307 Third St., Petaluma, Cal.
Krevit, H., & Co., Inc., 11 Albert St., New Haven 11, Conn.
Kunkle Valve Co., 119 S. Clinton St., Fort Wayne 2, Ind.
Kwik-Kover Sales Co., 410 N. Kedzie Ave., Chicago 12, Ill.

L

Laclede Stoker Co., 4438 Hunt Ave., St. Louis 10, Mo.
La France Dye House, 946 Shehy St., Youngstown 6, Ohio
Laidlaw, W. A., Wire Co., Peoria, Ill.
Lakewood Mfg. Co., 25039 Center Ridge Rd., Westlake, Ohio
Lally, R., Co., 1729 Greenleaf Ave., Chicago 26, Ill.
Lamboov Label & Wrapper Co., 2129 Portage St., Kalamazoo 29F, Mich.
Lamson Corp., Blower Div., Lamson St., Syracuse, N. Y.
Lane, W. T., & Bros., Inc., Prospect St., Poughkeepsie, N. Y.
Lanning Bag & Specialty Co., 205 Front St., Harvard, Ill.
Larick Mfg. Co., 287 Broadway, New York, N. Y.
Larton Products Co., Inc., 4234 Third Ave., New York 57, N. Y.
Lathem Time Recorder Co., 76 Third St., N. W., Atlanta, Ga.
Lattner, P. M., Mfg. Co., 1411 Ninth St., S.W., Cedar Rapids, Iowa
Laundry Chemicals Co., 4538 W. 130th St., Cleveland 11, Ohio
Laundry Machinery Div., Jefferson Wood Working Co., 14th & Hill Sts., Louisville, Ky.
Laundry Specialties Co., 600 Reading Rd., Cincinnati 2, Ohio
Layne & Bowler, Inc., Box 6697, Hollywood Station, Memphis 8, Tenn.
Le Ann Furs, Inc., 311 Collinsville Ave., East St. Louis, Ill.
Leathers', L. M. Sons, Paper Products Div., 675 Pulaski St., Athens, Ga.
Leehaw Mfg. Co., 63 Wayne Ave., Youngstown 3, Ohio
Lee Converters, Inc., 28 W. 23rd St., New York 10, N. Y.
Leef Bros., Inc., 205 Irving Ave., N., Minneapolis 5, Minn.
Leffel, James, & Co., 426 East St., Springfield 99, Ohio
Leprechaun, Inc., 475 Fifth Ave., New York 17, N. Y.
Le Roi Co., Compressor Div., Sub Westinghouse Air Brake Co., 1706 S. 68th St., Milwaukee, Wisc.
Leslie Co., 297 Grant Ave., Lyndhurst, N. J.
Lever Bros. Co., 390 Park Ave., New York, N. Y.
Lewis, G. B., Co., P. O. Box 577, Watertown, Wisc.
Lewis Invisible Stitch Machine Co., 129 W. 22nd St., New York, N. Y.
Lewis National Corp., 1 Mt. Vernon St., Dorchester 25, Mass.
Lewis-Shepard Products, Inc., 307 Walnut St., Watertown 72, Mass.
Liberty Marking Tag Co., Inc., 27 Hooper St., Brooklyn 11, N. Y.
Lieberman, B & G., Co., 94-14 37th Ave., New York, N. Y.
Lincoln Bag Co., Inc., 4200 W. Schubert Ave. (2700 N), Chicago 39, Ill.
Lincoln-Hudson Rug Dyers, Inc., 900 Passaic Ave., East Newark, N. J.
Lincoln Research, Inc., 3250 Montrose St., Toledo 6, Ohio
Lincoln Rug Co., Inc., 85 Springdale Ave., Newark, N. J.
Lincoln-Schluetter Floor Machinery Co., Inc., 512 S. Peoria St., Chicago, Ill.
Linen Suppliers Advertising Corp., 175 Fifth Ave., New York 10, N. Y.
Link-Belt Co., 307 N. Michigan Ave., Chicago 1, Ill.
Linn Coach & Truck Div., Great American Industries, Inc., 443 Chestnut St., Oneonta, N. Y.
Lion Uniform Co., 209 S. Jefferson, Dayton 2, Ohio
Little Frenchman's Dye Works, 921 N. 25th St., Waco, Texas
Livingstone Engineering Co., 100 Grove St., Worcester 5, Mass.
Loebl Dye Works, Inc., Roanoke, Va.
Lookout Boiler & Mfg. Co., Manufacturers Rd. & Compress St., Chattanooga 1, Tenn.
Loroco Industries, Inc., 203 E. Benson St., Reading 15, Ohio
Los Angeles Soap Co., 617 E. First St., Los Angeles, Cal.
Louden Machinery Co., 1402 Broadway, Fairfield, Iowa
Loyal Textile Machinery Corp., 286 Scholes St., Brooklyn, N. Y.
Lubbock Machine Co., Inc., Box 1138, Lubbock, Texas
Lucas, Claude E., Associates, 880 E. Colorado, Pasadena, Cal.
Lucas Products Corp., 3839 Seiss Ave., Toledo 12, Ohio
Lucey Boiler & Mfg. Co., Chattanooga 2, Tenn.
Lunkenheimer Co., P. O. Box 360, HH, Cincinnati 14, Ohio
Lynch, John P., Co., 1401 16th St., San Francisco, Cal.

Mc

McBee Co., 295 Madison Ave., New York, N. Y.
McCleary Associates, Inc., 612 N. Main St., Memphis, Tenn.
McDonnell & Miller, Inc., 3500 N. Spaulding Ave., Chicago 18, Ill.
McElmoyl, W. J., Co., 63 Church St., Groveville, N. J.
McLay, Walter J., 1105 N. Water St., Milwaukee 2, Wisc.

M

M & B Metal Products Co., 4415 Morris Ave., Birmingham, Ala.
M-H Standard Co., 318 Communipaw Ave., Jersey City 4, N. J.
M & M Chemical Co., 1539 W. Main St., Willimantic, Conn.
Maas, A. B., Chemical Co., Div. Victor Chemical Works, 4570 Ardine St., South Gate, Cal.
Mack Trucks, Inc., 350 Fifth Ave., New York 1, N. Y.
Madison Products Co., 105 16th St., Toledo 2, Ohio
Magic Plastic Co. Ltd., 310 W. 93rd St., New York, N. Y.
Magic Re-Weaving Service, 28 W. Second St., Salt Lake City, Utah
Magic-Seal Paper Products, 883 E. Hudson, Columbus 11, Ohio
Magic Textile Weavers, 948 W. McNichols Rd., Detroit 3, Mich.
Magline, Inc., Pencoonning, Mich.
Majestic Dye House, 3920 W. Armitage Ave., Chicago 47, Ill.
Majestic Paper & Twine Co., Inc., (Laundry & Drycleaning Supply Div.), 155 Imlay St., Brooklyn 31, N. Y.
Malleable Iron Fittings Co., Branford, Conn.
Mallinckrodt Chemical Works, Second & Mallinckrodt Sts., St. Louis 7, Mo.
Manitowoc Cotton Goods Mfg. Co., 909 York St., Manitowoc, Wisc.
Manitowoc Engineering Corp., 510 S. 16th St., Manitowoc, Wisc.
Marclene Chemical Corp., 225 Warwick St., Buffalo 15, N. Y.
Marion Machine Foundry & Supply Corp., 90 West St., New York, N. Y.
Market Forge Co., 25 Garvey St., Everett 49, Mass.
Market Industries, Inc., 209 Utah St., San Francisco 1, Cal.
Mark-O Corp., 17 W. 60th St., New York 23, N. Y.
Mark-Tex Corp., 453 W. 17th St., New York 11, N. Y.
Marlow Pumps, Greenwood Ave., Ridgewood, N. J.
Mar-Mak Machinery Mfg. Co., 626 N. Logan Ave., Danville, Ill.
Marmon-Herrington Co., Inc., 1511 W. Washington St., Indianapolis 7, Ind.
Marsh, Jas. P., Corp., 2073 Southport Ave., Chicago 14, Ill.
Marshall Co., 4350 N. Pulaski Rd., Chicago 41, Ill.
Marshall Heater Co., 716-26 E. Monument Ave., Dayton 2, Ohio
Martin Equipment Co., Div. American Laundry Machinery Co., Ross & Section Aves., Cincinnati 12, Ohio
Martin Fan & Blower Co., 4632 W. 21st Pl., Chicago 50, Ill.
Martin, Reba, Inc., 4201 N. W. Second Ave., Miami 37, Fla.
Marvella Corp., 2019 Center St., N. W., Cleveland 13, Ohio
Mason-Neilan Regulator Co., 1190 Adams St., Boston 24, Mass.
Master Builders Co., 7016 Euclid Ave., Cleveland 3, Ohio
Master, Geo., Div., Ligonier, Ind.
Master Machinery Co., Anderson, Ind.
Master Mfg. Corp., 119 Main St., Box 694, Sioux City, Iowa
Master Mfg. & Equipment Co., 3000 St. Louis, Fort Worth 1, Texas
Master Products Co., 7000 S. Wentworth Ave., Chicago 21, Ill.
Maxant Button & Supply Co., 117 S. Morgan St., Chicago 7, Ill.
Mead, George E., Co., 11240 S. Arroyo Dr., Whittier, Cal.
Mears-Kane-Ofeldt, Inc., P. O. Box 223, Bridgeport, Pa.
Medalie Mfg. Co., 213 First Ave., N., Minneapolis 1, Minn.
Meese, Inc., 1948 Madison St., Madison, Ind.
Mechanical Handling Systems Inc., 4600 Nancy Ave., Detroit 12, Mich.
Mehl Mfg. Co., 2057 Reading Rd., Cincinnati 2, Ohio
Memphis Hanger Co., 14th & P. & L. E. R. R., Monaca, Pa.
Menasha Wood Split Pulley Co., 674 Tayco St., Menasha, Wisc.
Mendex Corp., 2300 Payne Ave., Cleveland 14, Ohio
Mercury Cleaning Systems, Inc., 1817 Benson Ave., Evanston, Ill.
Merson Products Co., 63 Essex St., Jersey City 2, N. J.
Metalweld, Inc., 24th & Hunting Park Aves., Philadelphia 29, Pa.
Metropolitan Body Co., 131 Kossuth St., Bridgeport 8, Conn.
Mexico Refractories Co., Love & Cole Sts., Mexico, Mo.
Meyercord Co., 5323 W. Lake St., Chicago 44, Ill.
Midland Color & Chemical Co., 15 Greene St., Jersey City 2, N. J.
Midland Paint & Varnish Co., 3828 E. 91st St., Cleveland 5, Ohio
Midwest Hanger Co., 2100 Guinotte Ave., Kansas City 20, Mo.
Midwest Laundry & Cleaning Machinery Co., 1341-45 W. Main, Oklahoma City, Okla.
Miller Laundry Machinery Co., 8341 Lyndon Ave., Detroit 21, Mich.
Milwaukee Leather Belting Co., 1114 N. Water St., Milwaukee 2, Wisc.
Milwaukee Printed String Co., 2604 W. Fond du Lac Ave., Milwaukee 6, Wisc.
Mine Safety Appliances Co., 201 N. Braddock Ave., Pittsburgh 8, Pa.
Minneapolis-Honeywell Regulator Co., Industrial Div., Wayne & Windrim Aves., Philadelphia 44, Pa.
Minnesota Chemical Co., 2285 Hampden Ave., St. Paul 4, Minn.
Mitchell, J. B., Co., 4916-28 W. Jefferson Blvd., Los Angeles 18, Cal.
Modine Mfg. Co., 1537 De Koven Ave., Racine, Wisc.
Mohawk Rubber Co., 1235 Second Ave., Akron 5, Ohio
Monarch Engineering Co., 500 Linden Ave., Dayton 3, Ohio
Monite Co., Inc., 4510 Hampton St., St. Louis, Mo.
Monix Co., 277 Greenbay Rd., Wilmette, Ill.
Monroe Calculating Machine Co., Inc., 555 Mitchell St., Orange, N. J.
Monroe Co., Inc., 10703 Quebec Ave., Cleveland 6, Ohio
Montpelier Mfg. Co., Montpelier, Ohio
Moore Business Forms, Inc., 900 Buffalo Ave., Niagara Falls, N. Y.
Moore Co., 800 S. Missouri Ave., Marceline, Mo.
Moore's Time-Saving Equipment, Inc., 1934 S. Sterling Ave., Elkhart, Ind.
Morehead Mfg. Co., 2455 W. Warren Ave., Detroit 8, Mich.
Morheat Corp., 700 E. Kalamazoo St., Lansing 12, Mich.

Morse Display Cases, 627 11th St., Wilmette, Ill.
Morse Mfg. Co., Inc., 122 Dickerson St., Syracuse 2, N. Y.
Moser Bag & Paper Co., 3049 E. 55th St., Cleveland 27, Ohio
Mulholland-Harper Co., 5820 Tacony St., Philadelphia 24, Pa.
Multi-Clean Products, Inc., 2277 Ford Parkway, St. Paul 1, Minn.
Multi-Counter Mfg. Co., 401 Broadway, New York 13, N. Y.
Mund Boilers, Inc., 1600 N. Indiana St., Los Angeles 33, Cal.
Murray, D. J., Mfg. Co., 1002-24 Third St., Wausau, Wisc.
Mutual Paper Box Co., Inc., 510 W. 27th St., New York 1, N. Y.
Myer, Henry, Thread Mfg. Co., 319 W. Van-Buren St., Chicago 7, Ill.

N

Nagel Coat Hanger Co., 1200-18 Oliver St., Houston 7, Texas
Namco Chemical Corp., 4765 Bellevue Ave., Detroit 7, Mich.
Nashua Corp., Sure-Hold Div., Franklin St., Nashua, N. H.
Nashua Textile Co., Empire State Bldg., New York 1, N. Y.
National Airoil Burner Co., Inc., 1284 E. Sedgley Ave., Philadelphia 34, Pa.
National Aluminate Corp., 6216 W. 66th St., Chicago 38, Ill.
National Aniline Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
National Boiler Protector Co., 928 Reibold Bldg., Dayton 2, Ohio
National Bundle Tyer Co., Dept. 10, Blissfield, Mich.
National Cash Register Co., Main & K Sts., Dayton 9, Ohio
National Chemical Sales Co., Laboratory, Inc., 414-16-18 Sixth St., N. W., Atlanta, Ga
National Cleaners Chemical Mfg. Co., 2807-11 W. Lake St., Chicago 12, Ill.
National Combustion Co., 101-06 43rd Ave., Corona 68, N. Y.
National Dryer Mfg. Co., 2500 60th St., Kenosha, Wisc.
National Dye House, 5812 W. Washington Blvd., Culver City, Cal.
National Dye Works, Inc., 3513 Washington Blvd., Baltimore 22, Md.
National Hatters Supplies Co., 81 W. Van Buren St., Chicago 5, Ill.
National Indemnity Exchange, 3820 Washington Blvd., St. Louis 8, Mo.
National Institute of Drycleaning, Silver Spring, Md.
National Life Insurance Co., Montpelier, Vt.
National Marking Machine Co., 4026 Cherry St., Cincinnati 23, Ohio
National Paper Band Co., P. O. Drawer 126, Denver, Colo.
National Paper & Type Co., 120 Wall St., New York 5, N. Y.
National Repair Services, 615 E. Main St., Richmond 19, Va.
National Starch Products, Inc., 270 Madison Ave., New York 17, N. Y.
National Steam Pump Co., 701 W. Johnson, Upper Sandusky, Ohio
National System of Garage Ventilation, Inc., National Ventilating Systems Div., 140 W. William St., Decatur, Ill.
National Textile Chemical Co., 1984 E. 83rd St., Cleveland, Ohio
National Textile Conservation Div., Research Laboratories, Sherron Acres, Durham, N. C.
National Truck Leasing System, 23 E. Jackson Blvd., Chicago 4, Ill.
Necchi Sewing Machine Sales Corp., 164 W. 25th St., New York 1, N. Y.
Nelsonating, 22 Pearl St., Utica 2, N. Y.
Neon Sign Co., Inc., House of Plastics Div., N. 14th at Taylor, Herrin, Ill.
Neva-Clog Products, Inc., 506 Logan St., Bridgeport 1, Conn.
New Departure, Div. General Motors Corp., Bristol, Conn.
New England Business Service, Riverbank Terrace, Townsend, Mass.
New England Trawler Equipment Co., 301 Eastern Ave., Chelsea 50, Mass.
Newhouse Co., 3827 San Fernando Rd., Glendale 4, Cal.
New South Mfg. Co., Inc., 711 Bankhead Ave., N.W., Atlanta, Ga.
New York Belting & Packing Co., 1 Market St., Passaic, N. J.
New York High Grade Button Works, 3569 Broadway, New York 31, N. Y.
New York Pressing Machinery Corp., 880 Broadway, New York 3, N. Y.
New York Telecoin Corp., 12 E. 44th St., New York 17, N. Y.
New York Twine Corp., 43 W. 36th St., New York 18, N. Y.
Nice Ball Bearing Co., 30th St. & Hunting Park Ave., Philadelphia 40, Pa.
Nicholson, W. H., & Co., 12 Oregon St., Wilkes-Barre 1, Pa.
Nicholson, Wm. J., Laboratories, 2971 W. Davidson, Detroit, Mich.
Nissen, John P., Jr., Co., Glenside, Pa.
No-Darn Co., 618 N. Wells St., Chicago 10, Ill.
Nopco Chemical Co., Inc., First & Essex Sts., Harrison, N. J.
Norman Control Co., 4650 W. Lawrence Ave., Chicago 30, Ill.
North American Dye Corp., 22 North St., Danbury, Conn.
North American Electric Lamp Co., 1090 Tyler St., St. Louis 6, Mo.
North American Mfg. Co., 4533 E. 71st St., Cleveland, Ohio
North Coast Chemical & Soap Works, 6307-21 17th Ave., S., Seattle 8, Wash.
Norton & Williams, Inc., 608 North Ave., Westfield, N. J.
Nuodex Products Co., Inc., 830 Magnolia Ave., Elizabeth, N. J.
Nu-Pro Mfg. Co., 2918 Washington Ave., St. Louis 3, Mo.
Nutting Truck & Caster Co., 1125 W. Division St., Faribault, Minn.
Nycco Products Co., 110 W. 29th St., New York 1, N. Y.
Nylonet Corp., 2075 N.W. 75th St., Miami 47, Fla.

O

Oakite Products, Inc., 22B Thames St., New York 6, N. Y.
Oakville Div., Scoville Mfg. Co., Waterbury 20, Conn.
Odor Instruments Inc., 220 E. 42nd St., New York 17, N. Y.
Ohio Centrifugals Co., 342 S. Monument Ave., Hamilton, Ohio
Ohio Injector Co., 175 Laundry St., Wadsworth, Ohio
Ohio Mechanics Institute, Central Parkway & Walnut St., Cincinnati 10, Ohio
Ohmer Register Co., 740 Bolander Ave., Dayton, Ohio
Oil-Rite Corp., 2318 Waldo Blvd., Manitowoc, Wisc.
Oil States Petroleum Co., Inc., 233 Broadway, New York, N. Y.
Olin Cellophane Div., Ecusto Paper Corp., 655 Madison Ave., New York 21, N. Y.
Olin Mathieson Chemical Corp., Baltimore 3, Md.
OlsenMark Corp., 124 White St., New York 13, N. Y.
Olson, J. B. E., Corp., 1740 Broadway, New York 19, N. Y.
Olson Filtration Engineers, Inc., 1624 N. Kilbourn Ave., Chicago 39, Ill.
Olson Industries, Inc., Adams, Wisc.
Omaha Dye Works, 24th & Poppleton, Omaha, Nebr.
Ontario Iron Works, 32 Park St., Pulaski, N. Y.
Orr Felt & Blanket Co., Piqua, Ohio
Orr & Sembower, Inc., P. O. Box 1138, Reading, Pa.
Osborn Bros., 223 W. Jackson Blvd., Chicago 6, Ill.
Oshkosh Filter & Softener Co., 51 Ceape St., Oshkosh, Wisc.
Outside Venetian Blind Co., 2625 Elm St., Dallas 1, Texas
Owens-Corning Fiberglas Corp., 16 E. 56th St., New York 22, N. Y.

P

Paasche Airbrush Co., 1909 W. Diversey Parkway, Chicago 14, Ill.
Pabst Brewing Co., Industrial Products Div., 221 N. LaSalle St., Chicago 1, Ill.
Pacific Car & Foundry Co., Renton, Wash.
Pacific Coast Borax Co., 100 Park Ave., New York 17, N. Y.
Pacific Coat Hanger Mfg. Co., 6710 Avalon Blvd., Los Angeles 3, Cal.
Package Chemical Co., Inc., 218 W. First St., Boston 27, Mass.
Package Masters, 2525 S. Wabash Ave., Chicago 16, Ill.
Packless Metal Hose Inc., 31 Winthrop Ave., New Rochelle, N. Y.
Padcraft Corp., 480 W. Front St., Red Bank, N. J.
Pagoda Industries, Inc., 9th St. at Oley, Reading, Pa.
Paisley Products, Inc., 1770 Canalport Ave., Chicago 16, Ill.
Pak-Rite Flexible Packaging Co., 135 W. 20th St., New York 11, N. Y.
Pantex Mfg. Corp., 521 Roosevelt Ave., Pawtucket, R. I.
Paper Chemicals, Inc., 510 W. 27th St., New York 1, N. Y.
Para-Lux Products Co., 4158 W. Schubert Ave., Chicago 39, Ill.
Parisian Novelty Co., 3510 S. Western Ave., Chicago 9, Ill.
Park & Tilford, 485 Fifth Ave., New York 17, N. Y.
Parker, Sid E., Boiler Mfg. Co., Inc., 2035 E. 37th St., Los Angeles 11, Cal.
Patek & Co., 1900 16th St., San Francisco 1, Cal.
Patterson-Kelley Co., Inc., 46 Warren St., East Stroudsburg, Pa.
Patterson Laboratories, Inc., 11930 Pleasant Ave., Detroit 25, Mich.
Payson Mfg. Co., 2916 W. Jackson Blvd., Chicago 12, Ill.
Peabody Engineering Corp., 580 Fifth Ave., New York, N. Y.
Pecora Paint Co., Lawrence St. & Sedgley Ave., Philadelphia 40, Pa.
Peerless Pump Div., Food Machinery & Chemical Corp., 301 West Ave., 26, Los Angeles 31, Cal.
Pellerin Milnor Corp., 8000 Edinburgh St., New Orleans 18, La.
Penick & Ford, Ltd., Inc., 420 Lexington Ave., New York 17, N. Y.
Pennington Co., Riverside Ave., Gillette, N. J.
Pennsylvania Refining Co., Butler Savings & Trust Building, Butler, Pa.
Pennsylvania Rubber Co., Penn-Craft Park, Jeannette, Pa.
Pennsylvania Salt Mfg. Co., 1108 Widener Bldg., Philadelphia 7, Pa.
Per Corp., 50 Church St., Montclair, N. J.
Perelmutter, M., & Co., 4423-25 Broadway, Chicago 40, Ill.
Perfection Marking Machine Co., 441 Detroit St., Denver 6, Colo.
Perfection Products Co. & Identification, Inc., 550 W. Harrison St., Chicago 7, Ill.
Perfex Corp., 500 W. Oklahoma Ave., Milwaukee 11, Wisc.
Permafiber Corp., 450 Seventh Ave., New York 1, N. Y.
Perma Products Co., P. O. Box 23, Linwood Station, Detroit 6, Mich.
Per-Mo Products Co., 1715 E. 36th St., Kansas City 3, Mo.
Permutit Co., 330 W. 42nd St., New York 18, N. Y.
Perry Co., P. O. Box 2057, 110 Overpass Dr., Waco, Texas
Pfaff Sewing Machine Sales Co., 820 Greenwich St., New York 14, N. Y.
Philadelphia Belting Co., Sixth & Spring Garden Sts., Philadelphia 23, Pa.
Philadelphia Quartz Co., 1160 Public Ledger Bldg., Sixth & Chestnut Sts., Philadelphia 6, Pa.
Philco Corp., Storage Battery Div., 467 Calhoun St., Trenton 7, N. J.
Phillips & Phillips Corp., 160 Henry St., Brooklyn, N. Y.
Phoenix Products Co., 4715 N. 27th St., Milwaukee 9, Wisc.
Photoswitch, Inc., 77 Broadway, Cambridge 42, Mass.
Piazza Engineering Co., 4317 W. Irving Park Rd., Chicago 41, Ill.
Pick Mfg. Co., 255 S. Main St., West Bend, Wisc.
Piece Control Tag Co., 3160 N. Broadway, Chicago 14, Ill.
Pinnacle Products Corp., 56 Grand St., White Plains, N. Y.
Piolet Button & Novelty Corp., 2537 Amsterdam Ave., New York 33, N. Y.
Pittsburgh Hanger Co., 14th & P. & L. E. R. R., Monaca, Pa.
Pittsburgh Plate Glass Co., Paint Div., 632 Duquesne Way, Pittsburgh, Pa.
Pittsburgh Tag Co., 1112-20 Galveston Ave., Pittsburgh 33, Pa.
Pittsburgh Waterproof Co., 2537 Penn Ave., Pittsburgh 22, Pa.
Plibrico Co., 1800 Kingsbury St., Chicago 14, Ill.
Pneumatic Engineering & Sales, 1010 Des Moines Bldg., Des Moines, Iowa
Pocock, M. A., 1234 Central Ave., N.E., Minneapolis 13, Minn.
Popkins Fixture Co., 3722 Forest Park Blvd., St. Louis 8, Mo.
Porto-Fab Co., Inc., 9215 Weiss St., Dallas 9, Texas
Powder Dispenser Co., Palestine, Texas
Powers Regulator Co., 2810 Greenview Ave., Chicago 14, Ill.
Pre-Marked Strip Tag Co., 3232 India St., San Diego 1, Cal.
Pres-Grip Corp., 3108 Main St., Buffalo 14, N. Y.
Premium Service Co., 115 W. 19th St., New York, N. Y.
Procter & Gamble Distributing Co., Gwynne Bldg., P. O. Box 599, Cincinnati 2, Ohio
Proctor & Schwartz, Inc., Seventh St. & Tabor Rd., Philadelphia 20, Pa.
Proportioneers, Inc., P. O. Box 1442, Providence, R. I.
Prosperity Co., Inc., 2131-2171 Erie Blvd., E., Syracuse 1, N. Y.
Prym, William, Inc., Dayville, Conn.
Pure Oil Co., 35 E. Wacker Dr., Chicago 1, Ill.
Purkett Mfg. Co., 325 E. Third St., Joplin, Mo.
Pyrometer Instrument Co., Inc., Bergenfield 33, N. J.

Q

Quality Products Co., 5760 W. Grand Ave., Chicago 39, Ill.
Queen City Engineering Co., Inc., Old Pineville Rd., P. O. Box 3103, Charlotte 3, N. C.
Quigley Co., Inc., 527 Fifth Ave., New York 17, N. Y.
Quik Pac Div., H. Wesley Hutchins Co., Hutching St., Auburn, Maine

MANUFACTURERS

R

Rainbow Dye Works, 109 S. 16th St., Louisville 2, Ky.
Ramelli, Rudolph, Inc., 1030 Sprague St., Shreveport, La.
Ramtite Co., Div. S. Obermayer Co., 2563 W. 18th St., Chicago 18, Ill.
Randolph Laboratories, Inc., 8 E. Kinzie St., Chicago 11, Ill.
Rapids-Standard Co., 535 Bono Ave., N.W., Grand Rapids 2, Mich.
Rassenfoss Bag Co., Inc., 1904 Grove St., Glenview, Ill.
Raybestos-Manhattan, Inc., 61 Willett St., Passaic, N. J.
Ray Oil Burner Co., 1301 San Jose Ave., San Francisco 12, Cal.
Reading-Pratt & Cady, Div. American Chain & Cable Co., Inc., Tulpehocken St. & Lebanon Valley R. R., Reading, Pa.
Reed Mfg. Co., 1425 W. Eighth St., Erie, Pa.
Reed-Stabin, Inc., 504 62nd St., Brooklyn 20, N. Y.
Rees-Davis Drugs, Inc., Meriden, Conn.
Reeves Bros., Inc., 54 Worth St., New York 13, N. Y.
Refined Products Corp., 624 Schuler Ave., Lyndhurst, N. J.
Reintjes, George P., 2515-17 Jefferson St., Kansas City 10, Mo.
Reliable Fur Storage Equipment Co., Div. Reliable Machine Works, Inc., 238 Eagle St., Brooklyn 22, N. Y.
Reliable Steam Pressing Machine Service, Inc., 175 Bergen St., Newark 3, N. J.
Reliance Electric & Engineering Co., 1058 Ivanhoe Rd., Cleveland 10, Ohio
Rema Corp., Box 86, Norwalk, Conn.
Remington Rand, Inc., 315 Fourth Ave., New York, N. Y.
Renard's, 741 Madison Ave., New York 21, N. Y.
Reo Motors, Inc., 1314 S. Washington Ave., Lansing 20, Mich.
Repel-O-Products Div., North American Merchandising Co., Transportation Bldg., Detroit 26, Mich.
Republic Flow Meters Co., 2240 W. Diversey Parkway, Chicago 47, Ill.
Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio
Research Laboratories Corp., P. O. Box 338, Durham, N. C.
Research Products Corp., 1011 E. Washington Ave., Madison 3, Wisc.
Resillo Co., 2328 W. Nelson St., Chicago 18, Ill.
Revere Copper & Brass, Inc., 230 Park Ave., New York 17, N. Y.
Revere Electric Mfg. Co., 6009 Broadway, Chicago 40, Ill.
Revolite Div., Atlas Powder Co., Ludlow St., Stamford, Conn.
Rhodes, Preston T., 520-22 N. 61st St., Philadelphia, Pa.
Richards-Wilcox Mfg. Co., 174 Third St., Aurora, Ill.
Risdon Mfg. Co., 14 Risdon St., Naugatuck, Conn.
Riverside Chemical Co., Inc., 871-947 River Rd., North Tonawanda, N. Y.
Riverside Mfg. Co., 4919-27 Connecticut St., St. Louis 9, Mo.
Roberts Numbering Machine Co., 705 Jamaica Ave., Brooklyn 8, N. Y.
Roberts Mfg. Co., P. O. Box 5154, Jackson, Miss.
Robins, G. S., & Co., 126 Chouteau St., St. Louis, Mo.
Robinson School of Weaving, 210½ W. Main Lebanon, Ind.
Robot Laundry Machinery Sales, Div. Wolf Co., Wolf Ave., Chambersburg, Pa.
Rockwell, W. S., Co., 200 Eliot St., Fairfield, Conn.
Rodin Machinery Co., Div. Rodin Bros., 930 E. 43rd St., Chicago 15, Ill.
Roller Bearing Co. of America, Box 480, Trenton, 3, N. J.
Roll-on-Sealer Co., Antioch, Ill.
Rome Soap Mfg. Co., Sixth St., Rome, N. Y.
Ronallex Tubing Co., Inc., Packard Bldg., Philadelphia 2, Pa.
Root & Co., 11 Ionia, S. W., Grand Rapids 2, Mich.
Roots-Connersville Blower Corp., 900 W. Mount St., Connersville, Ind.
Rosenthal Mfg. Co., 5035 N. Kedzie Ave., Chicago 25, Ill.
Rosenthal Paper Co., 200 Lynch St., St. Louis 18, Mo.
Roth, Roy E., Co., 2430 Fourth Ave., Rock Island, Ill.
Ro-Wash, 696 Pembroke Rd., Jenkintown, Pa.
Rubber City Mfg. Co., 714 N. Main St., Akron 10, Ohio
Ruberoid Co., 500 Fifth Ave., New York 18, N. Y.
Rubin, E. L., Mfg. Co., 4 Monroe St., Pittsfield, Mass.
Rubinoff, M., Inc., 154-156 W. 27th St., New York 1, N. Y.
Rumford Chemical Works, 21 Newman Ave., Rumford 16, R. I.
Rusco Chemicals, Box 9101, Charlotte, N. C.

S

Sabin Machine Co., 6536 Carnegie Ave., Cleveland 3, Ohio
St. Louis Sticker Co., 1906 Pine St., St. Louis 3, Mo.
Sak-Rak Co., 601 Cole Ave., Monroe, La.
Salomon, L. A., & Bro., 216 Pearl St., N. Y. 7, N. Y.
Sani-Matic Brusher, 3943 N. Sheridan Rd., Chicago 13, Ill.
Sanitone Div., Emery Industries, Inc., 2706 Carew Towers, Cincinnati 2, Ohio
Sani-Top Co., Stepney Depot, Conn.
Sarco Co., Inc., Empire State Bldg., New York, N. Y.
Schaub, Fred H., Engineering Co., Inc., 2110 S. Marshall Blvd., Chicago 23, Ill.
Schirmer-Dornbirer Pump Co., 1719 E. 39th St., Cleveland 14, Ohio
Schramm, Inc., West Chester, Pa.
Schwartz, B. W., Co., Box 205, Washington St., Two Rivers, Wisc.
Schwitzer-Cummins Co., 1145 E. 22nd St., Indianapolis 7, Ind.
Scientific Packages, Inc., 1827 Park Ave., Denver, Colo.
See-O-Matic Corp., Div. International Projector Corp., 55 LaFrance Ave., Bloomfield, N. J.
Security Fur Seal Co., Inc., 144 W. 27th St., New York 1, N. Y.
Sellers Engineering Co., 4876 N. Clark St., Chicago 40, Ill.
Seneca Dyers, Inc., 1227 Maple St., Rochester 11, N. Y.
Serdex, Inc., 91 Cambridge St., Boston 14, Mass.
Service Recorder Co., 1375 Euclid Ave., Cleveland 15, Ohio
Shane Uniform Co., Inc., 2013 W. Maryland, Evansville 7, Ind.
Shell Oil Co., Inc., 50 W. 50th St., New York 20, N. Y.
Sherwin-Williams, 101 Prospect Ave., N. W., Cleveland 1, Ohio
Shields Engineering & Mfg. Co., 273 E. 156th St., Cleveland 10, Ohio
Shreveport Garment Mfg., 908 McNeil St., Shreveport 95, La.
Sibur Mothproof Co., P. O. Box 956, Colorado Springs 3, Colo.
Siebring Mfg. Co., 106 Owen St., George, Iowa
Signal Chemical Mfg. Co., 11510 Kinsman Rd., Cleveland 4, Ohio
Sinco Co., 920 Walnut St., Lansdale, Pa.
Simmons Machine Co., 5118 Lincoln Ave., Chicago 25, Ill.
Simplex Oil Heating Corp., 7901 Oxford Ave., Philadelphia 11, Pa.
Simplex Time Recorder Co., 24 S. Lincoln St., Gardner, Mass.
Singer Sewing Machine Co., 149 Broadway, New York 6, N. Y.
Sirotta, Bernard, Co., 620 Smith St., Brooklyn 31, N. Y.
Skelly Oil Co., 47th St. & Penn Ave., (605 W. 47), Kansas City, Mo.
Skrandel Co., 6433 S. Rockwell St., Chicago 29, Ill.
Slater-Robbins Co., Inc., 28-44 Borden Ave., Long Island City, N. Y.
Smith, A. O., Corp., Perma Glass Div., Route 46, Kankakee, Ill.
Smith Bros. Co., Highway 64 at West Ave., Plymouth, N. C.
Smith, Frank B., Co., 503 Front St., Orange, Texas
Smith, R. B., Co., 1609 S. Nevada Ave., Colorado Springs, Colo.
Smith, X. S., Inc., Box 272, Red Bank, N. J.
Snag-Prof Corp., 525 W. 52nd St., New York 19, N. Y.
Socony-Vacuum Oil Co., Inc., 26 Broadway, New York 4, N. Y.
Soden, P. N., & Co., Ltd., 2143 St. Patrick St., Montreal, Can.
Solvay Process Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
Some's Terminal Uniforms, P. O. Box 87-5 Cos. Branch, Jersey City, N. J.
Southeastern Textile Co., 222 E. Solomon St., Griffin, Ga.
Southern Machinery Co., 1505 Hansford St., Charleston 24, W. Va.
Southern Mills, Inc., 585 Wells St., S. W., Atlanta, Ga.
Southland Enterprises, 1132 Pryor St., S. W., Atlanta, Ga.
Spear Box Co., Inc., 270 11th Ave., New York 1, N. Y.
Spears Co., 2235 S. Ford Ave., Chicago 16, Ill.
Specialty Devices Co., 805 E. 26th St., Norfolk 4, Va.
Speed Check Co., Inc., P. O. Box 6131, Atlanta, Ga.
Speed Queen Corp., Ironer Div., 413 Washington Ave., Algonquin, Ill.
Speedway Chemical Co., 2029 Park Ave., Detroit 26, Mich.
Speedy Washer Mfg. Co., 5700 N. W. 35th Ave., Miami 48, Fla.
Spencer Turbine Co., 486 New Park Ave., Hartford, Conn.
Spix Products Co., 119 Dahlem St., Pittsburgh 6, Pa.
Spotswood Parker & Co., 313 Techwood Dr., N. W., Atlanta, Ga.
Stadham Co., Inc., 1825-31 N. 20th St., Philadelphia 21, Pa.
Stadler Textile Weavers, 312 E. Wisconsin Ave., Milwaukee, Wisc.
Stainpruf Mfg. Co., 2032 E. Seventh St., Los Angeles 21, Cal.
Staley, A. E., Mfg. Co., 220 Eldorado, Decatur 60, Ill.
Stamford Chemical Co., St. Mary's St. & Halloween Blvd., P. O. Box 1131, Stamford, Conn.
Standard Chemical Works Co., 538 E. Town St., Columbus 15, Ohio
Standard Garment Co., 2283 Fulton St., Toledo 10, Ohio
Standard Laundry & Cleaning Machinery Co., 6900 Maple Ave., Dallas 2, Texas
Standard Oil Co., 910 Michigan Ave., Chicago 80, Ill.
Standard Register Co., 3005 Campbell St., Dayton 1, Ohio
Standard Soap Co. of Camden, 205 S. Second St., Camden, N. J.
Stanley, John T., Co., Inc., 626-66 W. 30th St., New York 1, N. Y.
Sta-Nu Corp., 4850 W. Belmont, Chicago 41, Ill.
Star Service Hanger Div., L. A. Young Spring & Wire Corp., 9200 Russell St., Detroit 11, Mich.
Stauffer Chemical Co., 380 Madison Ave., New York 17, N. Y.
Stay-Fresh Corp., 3943 N. Sheridan Rd., Chicago 13, Ill.
Steamaster Automatic Boiler Co., 5819 Compton Ave., Los Angeles 11, Cal.
Steamaster Co., Inc., 110 W. 30th St., New York 1, N. Y.
Steam Engineering & Sales Co., 1818 W. 47th St., Chicago, Ill.
Stearns, George, Chemical & Mfg. Co., 119 E. Main St., Madison, Wisc.
Stebbins Mfg. & Supply Co., 1735 Blake St., Denver 2, Colo.
Steelcote Mfg. Co., 3418 Gratiot, St. Louis 3, Mo.
Steele Canvas Basket Co., Inc., 199 Concord Turnpike, Box 64, Cambridge 40, Mass.
Steele, J. W., & Co., 12th Ave. & Howell, North Kansas City 16, Mo.
Steel Products Engineering Co., 1205 Columbia St., Springfield, Ohio
Steigler, George, Co., 8 Forest Ave., Cincinnati, Ohio
Stein, Lawrence M., Co., 815-25 W. Van Buren St., Chicago 7, Ill.
Steiner Sales Co., 740 Rush St., Chicago 11, Ill.
Steinman Paper Co., 1302 Halsted Ave., Chicago 22, Ill.
Stephens-Adamson Mfg. Co., Ridgeway Ave., Aurora, Ill.
Sterling Air Conditioning Corp., 358 W. Main Ave., Gastonia, N. C.
Sterling, Inc., 3738 N. Holton St., Milwaukee 12, Wisc.
Sterling Engineering & Mfg. Corp. (Templeton Mfg. Co.), Reservation Rd., Hyde Park 36, Mass.
Sterling Supply Corp., 1 Porter St., Philadelphia 48, Pa.
Sterwin Chemicals, Inc., 1450 Broadway, New York 18, N. Y.
Stevenson Co., Stevenson, Conn.
Stevenson, Jordan & Harrison, Inc., 205 W. Wacker Dr., Chicago 6, Ill.
Stewart-Warner Corp.-Alemite Corp., 1826 Diversey Parkway, Chicago 14, Ill.
Stitt-Reed, Inc., and/or Wm. A. Reed & Co., Inc., 8432 44th Pl., Lyons, Ill.
Stomac Engineering Co., Inc., 2000 W. 25th, Cleveland 13, Ohio
Stone Boiler Equipment Corp., 186 Powers St., Brooklyn 11, N. Y.
Story Mfg. Co., 205 Lafayette Ave., Bellevue, Ky.
Stout, David, & Sons, 7016 Manchester Blvd., St. Louis 17, Mo.
Stover Water Softener Co., Stover Bldg., St. Charles, Ill.
Street, B. B., & Co., Inc., 561 W. Monroe St., Chicago 20, Ill.
Strike's Laundry Machinery, Inc., 221 N. Westmoreland Ave., Los Angeles 49, Cal.
Strohmeyer & Arpe Co., 139-414 Franklin St., New York 13, N. Y.
Stromberg Time Corp., 109 Lafayette St., New York 13, N. Y.
Strong, Carlisle & Hammond Co., 1392 W. Third St., Cleveland 13, Ohio
Stry-Lenkoff & Co., 813 E. Market St., Louisville 6, Ky.
Studebaker Corp., South Bend, Ind.
Suedecare, Inc., 30 Station Plaza, Hempstead 1, N. Y.
Suede King, 1311 State St., Sharon, Pa.
Superior Combustion Industries, Inc., 1475 Broadway, New York 18, N. Y.
Superior Controls Co., Inc., 1835 S. Bonnie Brae Rd., Los Angeles, Cal.
Superior Products Co., 148 Pearl St., Somerville 45, Mass.
Superior Reweavers, 116 Peachtree Arcade, Atlanta 3, Ga.
Super Laundry Machinery Co., Div. St. Joe Machines, Inc., State & Water Sts., St. Joseph, Mich.
Sure-Hold Div., Nashua Corp., Franklin St., Nashua, N. H.
Sureloc Paper Clip Co., 66 Kenyon Ave., Wakefield, R. I.
Surface Protection Co., Inc., 16799 Euclid Ave., Cleveland 12, Ohio
Sutherland Paper Co., 243 E. Paterson St., Kalamazoo 13-D, Mich.

Swift & Co., Union Stock Yards, Chicago 9, Ill.
Sylvania Div., American Viscose Corp., 122 E. 42nd St., New York 17, N. Y.
Sylvania Electric Products, Inc., 500 Fifth Ave., New York 1, N. Y.

T

Taco Heaters, Inc., 137 South St., Providence 3, R. I.
Tad Chemical Co., Div. Acme Industrial Compounds Corp., 625 S. Goodman, Rochester 7, N. Y.
Tagit Co., 1212 11th St., Rockford, Ill.
Takamine Laboratory, Inc., 193 Arlington Ave., Clifton, N. J.
Take-Care Mfg. & Sales Co., 2225 E. Ninth St., Wichita, Kans.
Talon, Inc., 626 Arch St., Meadville, Pa.
Tarbonis Co., 4300 Euclid Ave., Cleveland 3, Ohio
Tash, Al, Dye Works, Grand Prairie, Dallas County, Texas
Taubman, Samuel, & Co., 1 W. 34th St., New York 1, N. Y.
Taylor Host Inc., 4418 Griffin Ave., Los Angeles 31, Cal.
Taylor, W. A., & Co., 7300 York Rd., Baltimore 4, Md.
Tejax Engineering Corp., 1 Washington Ave., Providence 1, R. I.
Tele-Vue Packaging Products, Inc., 300 S. 12th St., New Hyde Park, N. Y.
Texas Co., 135 E. 42nd St., New York, N. Y.
Tex Tag Control Systems, 522 W. Peachtree St., Atlanta, Ga.
Textile Marking Machinery Co., Inc., 246 Walton St., Syracuse 1, N. Y.
Thermopatch Corp., 2432 Grand Concourse, New York 58, N. Y.
Thomaston Mills, E. Main St., Thomaston, Ga.
Thompson, H. C., Clock Co., 38 Federal St., Bristol, Conn.
Thompson-Hayward Chemical Co., 2915 Southwest Blvd., Kansas City 8, Mo.
Thomson Chemical Co., 619 N. Jackson St., Lima, Ohio
Thoro Products Co., 3240 Larimer St., Denver 5, Colo.
Thrifty Weavers, 310 N. St. Clair St., Toledo 4, Ohio
TickeTag Corp., 512 Wrenn St., High Point, N. C.
Tillery Container Co., 6000 Wilson Ave., Kansas City 3, Mo
Time Savers, Inc., 83-99 Walnut St., Montclair, N. J.
Timken Roller Bearing Co., 1835 Dueber Ave., S. W., Canton 6, Ohio
Tingue, Brown & Co., 1765 Carter Ave., New York 57, N. Y.
Titusville Iron Works Co., Div. Struther Wells Corp., 51 Drake St., Titusville, Pa.
Todd Co., Inc., 1150 University Ave., Rochester 3, N. Y.
Toledo Scale Co., 1076 Telegraph Rd., Toledo 12, Ohio
Tork Clock Co., Inc., 1 Grove St., Mt. Vernon, N. Y.
Trane Co., Second & Cameron Sts., La Crosse, Wisc.
Travelers Insurance Co., Hartford, Conn.
Trent Tube Co., East Troy, Wisc.
Trico Chemical Div., Tri-State Equipment Co., 402 Swetland Bldg., 1010 Euclid Ave., Cleveland 15, Ohio
Trico Fuse Mfg. Co., 2948 N. Fifth St., Milwaukee 12, Wisc.
Triner Scale & Mfg. Co., 2714 W. 21st Chicago, Ill.
Trio Chemical Works, Inc., 341-49 Scholes St., Brooklyn 6, N. Y.
Tripp Mfg. Co., Grande Ave., Greenville, N. C.
Tropical Paint & Oil Co., 1110-1300 W. 70th St., Cleveland 2, Ohio
Troy Laundry Machinery Div., American Machine & Metals, Inc., East Moline, Ill.
Troy Sunshade Co., Plum & Grant Sts., Troy, Ohio
Tru Color Dye Works, Inc., 2447 44th St., Long Island City, N. Y.
"TT" TickeTag Corp., 512 N. Wrenn St., High Point, N. C.
Tyson Sales Co., Inc., 1212 Washington Ave., Houston, Texas

U

Underwood Corp., 1 Park Ave., New York 16, N. Y.
Uniflow Mfg. Co., Erie, Pa.
Uniform Sales Co., 527 W. Roosevelt Rd., Chicago 7, Ill.
Uni-Mac Co., 1917 S. Federal Highway, Fort Lauderdale, Fla.
Union Iron Works, 15th & Cascade St., Erie, Pa.
Union Oil Co. of California, Los Angeles, Cal.
Unipress Co., 2800 Lyndale Ave., S., Minneapolis 8, Minn.
United Autographic Register Co., 5000 S. California Ave., Chicago, Ill.
United Brass Works, 1389 Atlantic Ave., Brooklyn, N. Y.
United Cotton Goods Co., Inc., 101 E. Broadway, Griffin, Ga
United Fabrics Co., 223 W. Jackson Blvd., Chicago, Ill.
United Laboratories, Inc., 2863 Noble Rd., Cleveland 12, Ohio
United Print Shop, 283 Seventh Ave., New York 1, N. Y.
U. S. Blind Stitch Machine Co., 312 Seventh Ave., New York 1, N. Y.
U. S. Chemical Products Co., P. O. Box 212, Columbus, Ohio
U. S. Gauge Div., American Machine & Metals, Inc., Clymer Ave., Sellersville, Pa.
U. S. Hoffman Machinery Corp., 105 Fourth Ave., New York 3, N. Y.
U. S. Machine Corp., Lebanon, Ind.
U. S. Marking Tag Co., Inc., 718 Atlantic Ave., Brooklyn 17, N. Y.
U. S. Metals Corp., Puerto Nuevo, Box 3336, San Juan, Porto Rico
U. S. Mining Corp., 6363 Wiltshire Blvd., Los Angeles 48, Cal.
U. S. Rubber Co., Koylon Div., 407 N. Main St., Mishawaka, Ind.
U. S. Rubber Co., Textile Div., 1230 Ave. of the Americas, New York 20, N. Y.
U. S. Spring & Bumper Co., 4931 Alcoa Ave., Los Angeles, Cal.
U. S. Steel Co., 525 William Penn Pl., Pittsburgh 30, Pa.
U. S. Tag & Ticket Co., 2217-21 Robb St., Baltimore, Md.
U. S. Tissue Converting Co., 1848 W. Washington Blvd., Los Angeles 7, Cal.
United Steel & Wire Co., 175 Fonda Ave., Battle Creek, Mich.
United Vacuum Appliance Corp., Connersville, Ind.
Unit Wash Corp., 162 S. Washington St., Plainville, Conn.
Universal Laundry Machinery Co., 3739 Page Blvd., St. Louis, Mo.
Universal Match Corp., St. Louis 3, Mo.
Universal Sales, Inc., Delaware, Ohio
Universal Solvent Co., Springfield, Delaware Co., Pa.
Utility Truck Distributors, Inc., Union City, Ind.

V

V & W Equipment Co., 664 W. Peachtree, N. W., Atlanta 3, Ga.
Valdura Div., American Marietta Co., 43 E. Ohio St., Chicago 11, Ill.
Van Chemical Co., 539 Third St., Detroit 26, Mich.
Vapor Heating Corp., 230 Park Ave., New York 17, N. Y.
Vara, A. G., & Son, 53 Clark St., Hamburg, N. Y.
Veeder-Root, Inc., 70 Sargeant, Hartford 2, Conn.
Velan Engineering Co., 6585 Jeanne Mance St., Montreal, Can.
Velocity Steam Production Engineering, Inc., 38 S. Dearborn St., Chicago 3, Ill.
Vic Cleaning Machine Co., 1313 Hawthorne Ave., Minneapolis 3, Minn.
Victor Balata & Textile Belting Co., 53 Park Pl., New York 7, N. Y.
Victor Chemical Works, 155 N. Wacker Drive, Chicago 6, Ill.
Victor Lubricator Sales Co., Mildred & North Aves., Antioch, Ill.
Viking Pump Co., Fourth & Newman Sts., Cedar Falls, Iowa
Virginia-Carolina Laundry Supply Corp., 212 W. Seventh St., Richmond, Va.
Virginia Greenstone Co., Inc., Box 897, S. Lynchburg, Va.

W

Wagner Sign Service, Inc., 212 Hoyne Ave., Chicago 12, Ill.
Waldorf Co., 2236 Myrtle Ave., St. Paul, Minn.
Waldorf Paper Products, 2250 Wabash Ave., St. Paul 4, Minn.
Wallerstein Co., Inc., 180 Madison Ave., New York 16, N. Y.
Walser Automatic Timer Control, 420 Lexington Ave., New York 17, N. Y.
Walworth Co., 60 E. 42nd St., New York 17, N. Y.
Warco Laboratories, 1640 W. Vernon, Los Angeles 37, Cal.
Warwick Chemical Co., 10th St. & 4th Ave., Long Island City, N. Y.
Washex Machinery Corp., 192 Banker St., Brooklyn 22, N. Y.
Washington National Sands, Inc., 37-02 Northern Blvd., Long Island City 1, N. Y.
Watson-Standard Co., 225 Galveston Ave., Pittsburgh 12, Pa.
Wayne Pump Co., 513-521 Tecumseh St., Fort Wayne 4, Ind.
Weave Masters, Inc., 413 Race St., Cincinnati, Ohio
Webb Belting & Supply Co., 1501-1507 W. 12th St., Kansas City 7, Mo.
Webster, Warren, & Co., 17th & Federal Sts., Camden, N. J.
Weedling Standard Forms, Fort Thomas, Ky.
Weissert, R. M., 607 Equitable Bldg., 613 Locust St., St. Louis, Mo.
West Coast Laundry Machinery Co., 3246 17th St., San Francisco 10, Cal.
Western Laundry Machinery Co., 420 E. 10th St., North Kansas City 16, Mo.
Western Laundry Press Co., 619 S. Fifth West St., Salt Lake City, Utah
Western Pump Co., Ltd., 522 W. Santa Clara St., San Jose 1, Cal.
Westinghouse Electric Corp., Lamp Div., Bloomfield, N. J.
Weston Electric Instrument Corp., 614 Frelinghuysen Ave., Newark 5, N. J.
West Side Corp., 177 E. 123rd St., New York 35, N. Y.
West Texas Marine Boiler Works, Inc., P. O. Box 5665, Lubbock, Texas
Westvaco Chemical Div., Food Machinery & Chemical Corp., 405 Lexington Ave., New York 17, N. Y.
Whitehouse Nylon Products, 360 Furman St., Brooklyn 2, N. Y.
White Machine Co., Inc., 14th St. & Lafayette Ave., Kenilworth, N. J.
White Motor Co., 847 E. 79th St., Cleveland, Ohio
Whitlock Mfg. Co., 90 South St., Elmwood, Hartford 10, Conn.
Wichita Precision Tool Co., Inc., 450-454 N. Seneca, Wichita 12, Kans.
Wick Narrow Fabric Co., 112 N. 12th St., Philadelphia 7, Pa.
Wiegand, Edwin L., Co., 7671 Thomas Blvd., Pittsburgh 8, Pa.
Will-Burt Co., Orrville, Ohio
Willcox & Gibbs Sewing Machine Co., 214 W. 39th St., New York 18, N. Y.
Williams & Davis Boiler & Welding Co., Inc., 2527 Canton St., Dallas 1, Texas
Williams Laundry Machinery Co., Inc., 37-16 22nd St., Long Island City 1, N. Y.
Williams, I. B., & Sons, 51 Washington St., Dover, N. H.
Wil-Nor Products, 3002 N. Fifth St., Philadelphia 33, Pa.
Wilson, A. L., Chemical Co., 38 Passaic Ave., Kearny, N. J.
Windsor Chemical Co., P. O. Box 8, Peekskill, N. Y.
Winner, Joe L., 281 S. Hilton St., Baltimore 29, Md.
Wire Specialties & Mfg. Corp., 1348-50 12th St., Denver 4, Colo.
Wizard Weavers, 135 E. Gay St., Columbus 15, Ohio
Wolf Machine Co., 2203 Fowler St., Cincinnati 6, Ohio
Wolke, A. F., Co., 1902 Silver St., New Albany, Ind.
Wonder Weavers, 44 Whalley Ave., New Haven 11, Conn.
Wood Conversion Co., First National Bank Bldg., St. Paul 1, Minn.
Wood, George, Sons & Co., 512 Walnut St., Philadelphia 5, Pa.
Woodhead Insurance Agency, 510 Insurance Exchange Bldg., Kansas City 6, Mo.
Wood's, T. B., Sons Co., Chambersburg, Pa.
Woodward Valve Repair, 624 Main St., Woodward, Okla
Wormstead, Smith & Loomis, Inc., 77 Washington St., N., Boston 14, Mass.
Worthington Pump & Machine Corp., Worthington Ave., Harrison, N. J.
Wright-Austin Co., 5245 W. Woodbridge St., Detroit 26, Mich.
Wrisley, Allen B., Co., 6801 W. 65th St., Chicago, Ill.
Wyandotte Chemicals Corp., Biddle Ave., Wyandotte, Mich.
Wyotana Mining Co., 331 First Federal Bldg., St. Paul 1, Minn

Y

Yarnall-Waring Co., 138 Mermaid Ave., Philadelphia 18, Pa.
Yeomans Bros. Co., 1999 Ruby St., Melrose Park, Ill.
York-Shipley, Inc., York, Pa.
Young, John A., 7 Central Ave., West Barrington, R. I.
Young Radiator Co., 709 S. Marquette St., Racine, Wisc.

Z

Zeidler Mfg. Co., 61 Westchester Ave., White Plains, N. Y.
Zellermayer, Nathan, & Co., 2106 Washington Ave., New York, N. Y.
Zenith Electric Co., 146 W. Walton St., Chicago 10, Ill.
Zephyr Laundry Machinery Co., La Salle & Huron Sts., Chicago 10, Ill.
Zero Water Softener Mfg. Co., 4985 Elston Ave., Chicago 30, Ill.
Zuckerberg Co., 87 Franklin St., New York 13, N. Y.

LOCAL BUYERS' GUIDE

a geographical directory of manufacturers, direct branch offices, jobbers and distributors

ALABAMA

ANNISTON

Federal Products Co., Inc.

BIRMINGHAM

Allegheny Ludlum Steel Corp., 716 N. 19th St.
Armour & Co., Industrial Soap Div., 2309 First Ave.
Armstrong Machinery Co., 424 S. 20th St. (E)
Ballard, W. P., Co., 1521 First Ave. (E & S)
Barrett Div., Allied Chemical & Dye Corp., 1327 Erie St.
Benton Bros., 2322 12th Ave., N.
Berger Mfg. Div., Republic Steel Corp., 1407 Empire Bldg.
Bristol Co., Comer Bldg.
Cupples-Hesse Corp., 905 Frank Nelson Bldg.
Dixie Laundry Machinery Co., 112 S. 20th St. (E)
Foxboro Co., P. O. Box 589
General Chemical Div., Allied Chemical & Dye Corp., 2313 Morris Ave.
Ingersoll-Rand Co., 1700 Third Ave.
Kewanee Boiler Corp., 2224 Comer Bldg.
Laundry, Cleaners Maintenance Supply Co., 309 First Ave., N. (E & S)

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Link-Belt Co., Comer Bldg.
M & B Metal, 4415 Morris Ave.
Middlebrooks Laundry Machinery Co., 816 Second Ave., N. (E)
Reliance Electric & Engineering Co., 1722 First Ave., N.
Republic Steel Corp., Empire Bldg.
Ross, F. H., & Co., Inc., 202 S. 12th St. (E & S)
Southern Equipment Co., 830 Goldwire St., S. W. (E)
United Machinery Corp., 2114 Seventh Ave., S. (E)

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UNITED MACHINERY CORPORATION
2114 Seventh Ave., S., Birmingham 3, Ala.
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Wittichen Chemical Co., 1609 Second Ave., S. (S)
Worthington Pump & Machinery Corp., 802 Comer Bldg.

FAIRHOPE

Don Seitz, Box 242

GADSDEN

Puckett & Co., 623 Henry St. (S)

LANETT

Dello Products Co., 1109-11 First St.

LEEDS

Star Service Hanger Div., L. A. Young Spring & Wire Corp.

MOBILE

Bemis Bro. Bag Co., P. O. Box 1110
Dixie Hanger Co., 65 N. Commerce St.
Midland Paint & Varnish Co., 1715 Old Shell Rd.
Regan Co., 1751 Old Shell Rd. (E)
Ross, F. H., & Co., Inc., 51 Lipscombe St. (E & S)

MONTGOMERY

Dixie Laundry Machinery Co., 1119 Houston St. (E)
Franklin Equipment Co., 1216 Houston St. (E)
Middlebrook Laundry Machinery Co., 229 Houston St. (E)
Phenix Supply Co., 3420 Gilmer Ave. (E & S)

ARIZONA

PHOENIX

Bemis Bro. Bag Co., 624 Security Bldg.
Cowden, John P., P. O. Box 1986 (E)
Dick's Supply Co., 424 E. Jefferson St.
Elgin-Refinite, Div. of Elgin Softener Corp., 114 E. Roosevelt
McCoy, Paul, 3019 N. 16th Dr.
Mefford Chemical Co., 502 S. Second St.
Milgram Dist. Co., 1515 W. McDewell Rd. (E)
Patek & Co., 2530 E. Picadilly (E)
Riggs Equipment & Maintenance Co., 9425 N. 13th St.
Southwest Laundry Machinery Co., 1107 N. Laurel Ave.
Tony's Tailor Supply, 1009 N. Second St. (E & S)
Tri-State Machinery Co., 1622 E. Washington St. (E)
Western Chemical Co., 625 S. Fifth St. (E & S)
Worthington Pump & Machinery Corp., 1217 W. Jefferson St.

TUCSON

Copper State Chemical Co. (S)
Crane Co., 35 E. Toole Ave.
Infilco, Inc., 914 S. Campbell Ave., P. O. Box 5033
Western Chemical Co., 207 E. Pennington (E & S)

ARKANSAS

FORT SMITH

Cleaners Sales & Service, Inc., 3616 Townson Ave.
Crane Co., 221 S. Ninth St.
Seyfer, Robert P., 529 N. 41st St.
United Machinery Co., 3224 Midland Blvd.

LITTLE ROCK

Arkansas Paper Co., 622 E. Markham St. (S)
Capitol Chemical & Supply Co., 1214-16 Main St. (E & S)
Coffield & Moore Mfg. Co., 2812 Asher St. (E)
Cupples-Hesse Corp., 210 Terminal Warehouse Bldg.
Paisley Products, Inc., P. O. Box 56, Arch St. Sta.
Ramelli, Rudolph, Inc., 500 E. Markham (S)

TEXARKANA

Louisiana Paper Co., Ltd. (S)

CALIFORNIA

ALAMEDA

Hatters Supply House Inc., 615 Central Ave.

ATASCADERO

Haertel, Walter, Co., P. O. Box 643

BELL GARDENS

Brenew Co., 5606 Clara St.

BERKELEY

Colgate-Palmolive Co., 2700 Seventh St.
Curtis Mfg. Co., 3633 San Pablo Ave.
Kewanee-Ross Corp., Ross Heater Div., 1715-B Solano Ave.
Martin Equipment Co., Div. American Laundry Machinery Co., 1507 San Pablo Ave.
Pennsylvania Salt Mfg. Co., 323 Woolsey Bldg., 2168 Shattuck Ave.

CULVER CITY

National Dye House, 5812 W. Washington Blvd.

DIABLO

Onken, Edwin S., Co., Box 36 (E & S)

DOWNEY

Darnell Corp., Ltd., 12000 Woodruff Ave.

EL MONTE

Clayton Mfg. Co., 1363 N. Temple City Blvd.

EMERYVILLE

Besler Corp., 4053 Harlan St.

FRESNO

Hildebrand Supply Co., 2225 Fresno St. (E & S)
Mitchell, J. B., Co., 4916-28 W. Jefferson Blvd.
Naman Supply & Equipment Co., 3207 E. Tulare St. (E & S)

GLENDALE

California Cleaners Equipment & Supplies, 1005 S. Central (E & S)
Flexonics Corp., 109 Glendale Ave., S.
Mewhouse Co., 1247 E. Colorado Blvd.

HUNTINGTON PARK

Huntington Supply Co., 6905 Santa Fe Ave. (S)

LA CANADA

Sec-O-Matic Corp., Div. International Projector Corp., 4551 Alveo Rd.

LONG BEACH

Campbell, J. A., Co., 645 E. Wardlow Rd.
Coonen Supply, 412 E. Third St. (E & S)
Crane Co., 824 W. Anaheim St.
Federal Cleaners & Chemical Supply, 412 E. Third St. (E & S)

LOS ANGELES

Ajax Supply Co., 8219 S. Main St. (S)
Ald, Inc., 7402 Sunset Blvd.
Allegheny Ludlum Steel Corp., 4915 Pacific Blvd.
Altrose Chemical Co., 3529 E. Olympic Blvd.
Ambassador Continuous Towel Cabinet Co., 125 N. Mission Rd.
Amber Mfg. Co., 607 S. Union Ave.
American Aniline Products, Inc., 1019 S. Grand Ave.
American Brake Shoe Co., Kellogg Div., 3355 Slauson Ave.
American Chemical & Products Co., 3287 Casitas Ave.
American Cleaners & Laundry Supply Co., 4310 W. Jefferson Blvd. (E & S)
American Coat Hanger Mfg. & Specialty Co., 4310 W. Jefferson Blvd.
American Hair & Felt Co., 1535 N. Ditman
American-La France-Foamite Corp., 733 E. Eighth St.

(E) denotes jobbers handling equipment, (S) denotes jobbers handling supplies

American Laundry Machinery Co., 1442 E. Fourth St.
American Mineral Spirits Co., 555 S. Flower St.
American Sterilizer Co., 1715 W. Eighth St.
Angelica Uniform Co., 1101 S. Main St.
Arabol Mfg. Co., 6455 E. Canning St.
Armite Laboratories, 6609 Broad St.
Atlas Powder Co., Industrial Chemicals Dept., 411 W. Fifth St.
Bailey Meter Co., 1709 W. Eighth St.
Ballinger, W. A., 1126 S. Santa Fe Ave. (S)
Bemis Bro. Bag Co., 5401 E. Slauson Ave.
Blackus Cleaners Supply, 724 W. 97th St. (S)
Bostitch-Western, Inc., 5140 Via Corona
Boxstresser, C. D., 1128 Elpaso Dr.
Bowser, Inc., 2843 W. Seventh St.
Braun, Philip S., Inc., 2484 W. Washington (E)
Brillo Mfg. Co., Inc., 224 N. Western Ave.
Bristol Co., 810 S. Spring St.
Browning, E. S., Co., 2321 Yates St.
Callaway Mills, Inc., 949 E. Second St.
Cal Products Co., 2132 Sacramento St. (S)
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp., 416 W. Eighth St.
Carrier Corp., 5330 Harbor St., P. O. Box 6768
Cash, J. & J., Inc., 112 W. Ninth St.
Challenge Marking Tag Co., 4310 W. Jefferson Blvd.
Chlorine Solutions, Inc., 6019 S. Riverside Dr.
Cissell, W. M., Mfg. Co., Inc., 4623 W. Jefferson Blvd.
Clothes Bleach Co., 3525 Emery St.
Cone Mills, Inc., 111 W. Seventh St.
Continental Car-Na-Var Corp., 6630 S. McKinley Ave.
Coolidge, John E., 2508 W. Slauson St. (E)
Crocker-Wheeler Electric Mfg. Co., Div. Joshua Hendy Iron Works, 601 W. Fifth St.
Crosby Steam Gauge & Valve Co., 2634 Santa Fe Ave.
Crucible Steel Co. of America, 3338 S. Malt Ave.
Cunningham Pressing Machine Service, 1127 W. 20th St. (E)
Curtis Mfg. Co., 2844 S. Grand Ave.
Custom Engineering Co., 3188 W. Slauson Ave.
Cutler-Hammer, Inc., 1331 Santa Fe Ave.
Darco Dept. (Atlas Powder Co.), 411 W. Fifth St.
Davis, K. H., Mfg. Corp., 2415 E. 23rd St.
De Laval Steam Turbine Co., 124 W. Fourth St.
DeVilbiss Co., 1420 S. Los Angeles St.
Dicalite Div., Great Lakes Carbon Corp., 612 S. Flower St.
Dixon Boiler Works, 1625 Naud St.
Dow Chemical Co., 900 Wilshire Blvd.
DuPont de Nemours, E. I., & Co., Inc., P. O. Box 70
Electric Storage Battery Co., 1043 S. Grand Ave.
Elgin-Refinite, Div. of Elgin Softener Corp., 818 E. Broadway, San Gabriel
Elliott Co., 714 W. Olympic Bldg., Room 323
Fafnir Bearing Co., 1818 S. Flower St.
Filtrol Corp., 3250 E. Washington Blvd.
Fitpold, Michael H., Co., 1504 S. Flower (E & S)
Flintkote Co., 55th & Alemeda St.
Foster Machinery Co., 1220 E. 58th St. (E)
Foxboro Co., 2307 E. Eighth St.
GMC Truck & Coach Div., General Motors Corp.
Garment Hanger Co., 2624 Geraldine St.
General Chemical Div., Allied Chemical & Dye Corp., 1151 S. Broadway
General Pacific Corp., 1501 E. Washington Blvd.
Germain's, Inc., Twist-Etus Div., 747 Terminal St.
Globe Ticket Co. of California, 420 S. San Pedro St.
Goss-Jewett & Co., 6400 Fleet St. (S)
Handy Button Machine Co., 1126 S. Los Angeles St.
Handy Specialties, 9159 W. Pico Blvd.
Hart-Cobb-Carley Co., 816 S. Los Angeles
Haskelite Mfg. Corp., 438 Chamber of Commerce Bldg., 1151 S. Broadway
Hercules Powder Co., 1151 S. Broadway
Hild Floor Machine Co., 4271 W. Third St.
Hill Bros. Chemical Co., 2159 Bay St. (S)
Hollingsworth & Vose Co., 649 S. Olive St.
Holt Mfg. Co., 4119 S. Broadway
Horn, A. C., Co., Inc., 1318 S. Main St.
Howe Scale Co., 1237 E. Eighth St.
Hubinger Co., 1248 Wholesale St.
Ilg Electric Ventilating Co., 1709 W. Eighth St.
Imperial Chemical Co., 2827 Hayans St. (S)
Ingersoll-Rand Co., 1460 E. Fourth St.
Ink-O Products Co., 5101 Monte Vista St.
International Engineering, Inc., 8468 Melrose Place
International Nickel Co., Petroleum Bldg.
Iselin-Jefferson Co., Inc., 819 Santee St.
Johns-Manville, 616 W. Fifth St.
Jones, H. H., "Tiny," 135 East Ave. 35 (E)
Kennedy Car Liner & Bag Co., Inc., 4915 Melrose Ave.
Kewanee Boiler Corp., 320 Crocker St.
Kidde, Walter, & Co., Inc., 3327 W. Washington Blvd.
Kirk's Leather Cleaners, 7320 Melrose Ave.
Kohnstamm, H., & Co., Inc., 4735 District Blvd. (E & S)
Lamson Corp., Blower Div., 206 E. Washington Blvd.
Lever Bros. Co., 6300 E. Sheila St.
Link-Belt Co., 361-369 S. Anderson St.
Los Angeles Chemical Co., 1960 Santa Fe Ave. (S)
Los Angeles Soap Co., 617 E. First St. (S)
Lynch, John P., Co., 4702 E. 50th St. (E & S)
Mallinckrodt Chemical Works, 923 E. Third St.
Mason-Neilan Regulator Co., 1457 S. Concord St.
Mefford Chemical Co., 1026 Santa Fe Ave. (S)
Mexico Refractories Co., 4599 Pacific Blvd.
Midland Paint & Varnish Co., 6605 Hollywood Blvd.
Mine Safety Appliances Co., 325 Wall St.
Mitchell, J. B., Co., 4916-28 W. Jefferson Blvd. (E)
Mund Boilers, Inc., 1600 N. Indiana St.
Nagel Coat Hanger Co., 3213 S. San Pedro St.
Nicholas, Ben L., Cleaners & Laundry Equipment, 1007 Ninth & Hill Bldg. (E)
North American Electric Lamp Co., 1513 Mateo St.
Nuodex Products Co., Inc., 912 E. Third St.
Oakite Products, Inc., 1001 E. First St.
Paasche Airbrush Co., 7222 S. Santa Fe Ave.
Pacific Alkali Co., 523 W. Sixth St.
Pacific Coast Hanger Mfg. Co., 6710 Avalon Blvd.
Pacific Coast Borax Co., 630 Shatto Place
Pacific Laundry Equipment Service, 5137 Santa Monica Blvd.
Pantex Mfg. Corp., 1235 S. Olive St.
Parker, Sid E., Boiler Mfg. Co., Inc., 2035 E. 37th St.
Park & Tilford, 2045 Santa Fe Ave.
Patek & Co., 1340 E. Sixth St. (E & S)
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Chemical Distributors, Inc., 1065 Main St. (S)
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Crucible Steel Co. of America, 2051 Elmwood Ave.
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Hubb & Howe, 1702 Elmwood Ave. (S)
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Kirschner, H. C., 2094 Main St. (E & S)
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Link-Belt Co., 688 Ellicott Sq. Bldg.
Marclene Chemical Corp., 225 Warwick St.
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Mason-Neilan Regulator Co., 516 Jackson Bldg.
Mine Safety Appliances Co., 1718 Main St.
Pres Grip Corp., 3108 Main St.
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Indicates display advertisers. For more information about their products, see the index of advertisers opposite the inside back cover for page numbers.

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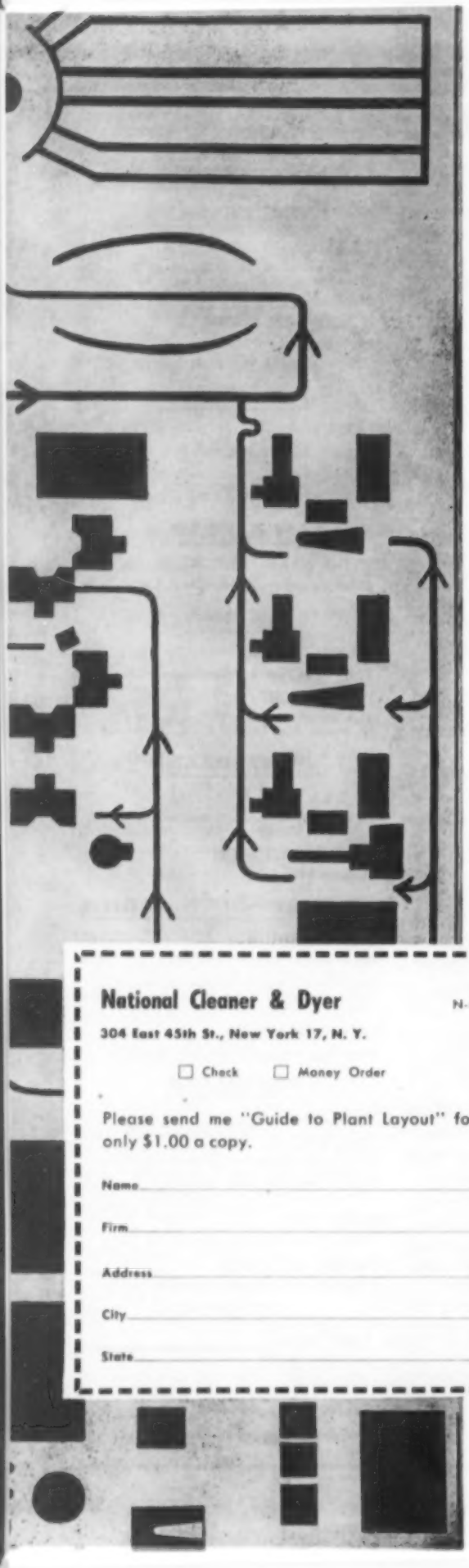
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Add five words if answers are to come to a box number to be forwarded by us.

Be sure to write your copy, name and address plainly.

Advertisements in this department must be in our hands NOT LATER THAN THE 12th OF THE PRECEDING MONTH.

Cash must accompany all orders for advertisements in our classified columns. No book accounts can be opened, as the low charge made does not permit this expense.

Mail Your Replies to Box Numbers to National Cleaner & Dyer, 304 E. 45th St., New York 17, N. Y.

CLEANING PLANTS FOR SALE

TO BUY OR SELL A LAUNDRY, DRYCLEANING OR RUG CLEANING BUSINESS IN NEW YORK, NEW JERSEY, CONNECTICUT OR PENNSYLVANIA, CONTACT RICHARD J. MULLER, Lic. Broker, 89-16 184th St., Jamaica 3, N. Y. REpublic 9-3016. 5814-2

For Sale—laundries, drycleaning plants, rug cleaning plants in Metropolitan N. Y. C. area, Westchester, New Jersey, Connecticut, Pennsylvania. If interested in buying or selling, contact **J. B. KANDEL, 131-39 228TH STREET, LAURELTON, LONG ISLAND, NEW YORK. PHONE: LAURELTON 8-3291.** 4648-2

SOUTHERN OHIO—a fine, complete wholesale and retail petroleum plant, also 6-room modern apartment on second floor. Asking $35,000 for business, lease real estate or can also be purchased. Save commission, buy direct. **ADDRESS,** Box 7295, **NATIONAL CLEANER & DYER.** -2

SOUTHERN ILLINOIS—140F Mercury cleaning plant, all equipment in excellent condition. Located in town of 7,000. $6,500—$3,500 down. Rent $50. **ADDRESS,** Box 7296, **NATIONAL CLEANER & DYER.** -2

Retail press shop, Los Angeles, Calif. Cash-and-carry only. Quality area, top prices. Nets $8,000 to $10,000 yearly. Hours 8 to 6. No brokers. **ADDRESS,** Box 7297, **NATIONAL CLEANER & DYER.** -2

For sale—most modern plant in this part of California, in elite part of town and right next door to neighborhood grocery. In the heart of fishing and hunting country. Schools are the finest. Your basic prices are $1.65 for full garments, 85¢ for half garments. 90% cash-and-carry. One branch office goes with sale. Price $19,500. Write E. W. Scott, 1082 E. 1st Ave., Chico, Calif. 7298-2

DENVER, COLORADO—Drycleaning plant for sale. Practically new Hoffman 140F plant with annual volume of approximately $75,000. 3 trucks. Wishes to retire after 43 years in same location, on a main street, in one of the fastest growing cities in the U. S. Ideal climate. If you are coming to Denver and interested in a completely equipped cleaning plant, be sure to see this one. Always welcome. For complete details, write **IMPERIAL CLEANERS,** 236 Broadway, Denver, Colo. 7299-2

Drive-in 140 F cleaning plant and shirt laundry, new finishing equipment. In finest motel district, six blocks from Air Force base. Selling price $29,000. Building may be leased or purchased. **ADDRESS,** Box 7300, **NATIONAL CLEANER & DYER.** -2

Cleaning plant in New Jersey, with new cold storage vault. Cleaning volume, $135,000. Laundry, $30,000. Will sell with or without modern buildings. All retail—$1.25 prices. Established in 1917 by present owners. **ADDRESS,** Box 7301, **NATIONAL CLEANER & DYER.** -2

Business and real estate. Solvent plant established over 40 years. One of the most modern and best equipped in state of Missouri. College town must be seen to be appreciated. Owner retiring. **ADDRESS,** Box 7302, **NATIONAL CLEANER & DYER.** -2

ESTABLISHED CLEANING BUSINESS IN NEBRASKA, LATEST EQUIPMENT. ANNUAL VOLUME OVER $45,000. CAN BE BOUGHT WITH OR WITHOUT REAL ESTATE. A REAL MONEY MAKER. ADDRESS, Box 7303, NATIONAL CLEANER & DYER. -2

Small drycleaning solvent plant. Ideal for couple. Year 'round business, located in cool Colorado resort town. Business established 8 years. No competition. Modern living quarters. Health forces sacrifice to get quick sale. $4,000 will handle, balance to suit buyer. Price includes real estate. **ADDRESS,** Box 7323, **NATIONAL CLEANER & DYER.** -2

Laundry and cleaning plant in northwest Indiana. Long established business. Annual gross $100,000. Price $40,000. Reasonable terms. Owner forced to sell due to other business. **ADDRESS,** Box 7324, **NATIONAL CLEANER & DYER.** -2

Modern solvent and synthetic cleaning plant $90,000 volume, west central Wisconsin hunting and fishing area. Sell for $38,000, retiring. **ADDRESS,** Box 7327, **NATIONAL CLEANER & DYER.** -2

CLEANING PLANTS FOR SALE (Cont'd)

DRYCLEANING PLANT, WASHINGTON, D. C. GROSSED $95,000 IN 1954. LOW RENT. LONG LEASE IF DESIRED. ESTABLISHED OVER 15 YEARS. $50,000. ONE THIRD DOWN. IN REPLY, PLEASE GIVE ME FINANCIAL REFERENCES. BUSINESS CAN AND SHOULD BE EXPANDED IMMEDIATELY. NETTED $1,099.80 PROFIT IN MARCH. FIRST QUARTER OF '55 WAS $1,125.40 GROSS AHEAD OF '54. ADDRESS, Box 7228, **NATIONAL CLEANER & DYER.** -2

SMALL MODERN synthetic plant in smog-free Ventura, Calif. Retail, all cash-and-carry. New Vic unit. $1.25 prices, 1954 gross $16,000 plus, long established, down town, in fast growing county seat, center of agriculture and oil activity. 3 year lease available. Ideal for couple. Present owner in ill health. Opal Fort Cleaners, 48-50 So. Chestnut St., Ventura, Calif. 7314-2

Well established modern and up-to-date cleaning plant in Detroit, Michigan. Grossing aproximately $200,000 a year, priced for quick sale with half down. Lease twenty years with ten year option. **A. HORNE REALTY**—broker—10300 W. McNichols, Detroit 21, Mich. Phone UN 2-4253. 7315-2

Drcleaning business for sale: Grossed above $40,000 in 1954; includes real estate, tile and brick building 56 x 30' built in 1946, large blacktop drive-in, large neon signs, one 1949 truck, 3 presses, 20 H.P. boiler, 2 sets puffers, 2 steam ironing boards, complete cleaning room, Stoddard solvent, all new in 1946. Or will sell business and equipment and lease building. This is on main highway first coming into Canton, Ohio, from two smaller towns. Canton has population of about 125,000. Business could be increased greatly but health does not permit it. If interested write: **ADDRESS,** Box 7316, **NATIONAL CLEANER & DYER.** -2

For Sale: Small laundry and drycleaning plant in the heart of Magic Valley, Idaho. Established over twenty years, modern equipment. For complete details and terms, write Buhl Laundry and Drycleaners, Buhl, Idaho. 6085-2

Large drycleaning plant in Sydney, New South Wales, Australia, for sale. Owner retiring. Modern buildings, large block of land, room for expansion. Fourteen (14) modern vehicles. 50 rented stores. 40 depots. Price $300,000, with $50,000 bank overdraft available if required. Good profits, business can be increased. This is one of the most modern factories in the southern hemisphere. A real bargain. Address all replies to: M. Myers, 14 Tower St., Vaucluse, **SYDNEY, AUSTRALIA.** 7155-2

NORTHERN ILLINOIS SOLVENT PLANT ESTABLISHED 25 YEARS. HOFFMAN AND CISSELL EQUIPMENT, 30 H.P. CLEAVER-BROOKS BOILER. GROSS 1954 $35,000. SELL BUSINESS AND EQUIPMENT, LEASE OR SELL BUILDING. ADDRESS, Box 7283, **NATIONAL CLEANER & DYER.** -2

Indianapolis solvent plant, all retail, volume $125,000 and growing. Routes and stores. **ADDRESS,** Box 7243, **NATIONAL CLEANER & DYER.** -2

For sale: petroleum solvent drycleaning plant in Eastern Montana town of 10,000. Heart of stock raising, irrigated farming, oil and gas country. Business, equipment, building and supplies. Priced for quick sale $16,500. $6,500 cash, balance on easy terms to right party. Owner has other interests. **ADDRESS,** Box 7240, **NATIONAL CLEANER DYER.** -2

FLORIDA, W. C. Drive-in solvent plant—launderette. 2-year-old plant, beautiful building. $50,000 annual gross. Price $50,000—$20,000 down, balance easy terms. **ADDRESS,** Box 7139, **NATIONAL CLEANER & DYER.** -2

RETIRING OWNER will give fine deal to two young men in his fine Southern California laundry plant doing over $6,000 per week. $30,000 required. **ADDRESS,** Box 7045, **NATIONAL CLEANER & DYER.** -2

Southern Michigan—modern solvent cleaning plant, 60 years in same location, cash-and-carry. Centrally located. Retiring on account of age. Ideal for couple, moderate rent with apartment. **ADDRESS,** Box 7331, **NATIONAL CLEANER & DYER.** -2

BUSINESS OPPORTUNITIES

WHOLESALE CLEANERS SUPPLY BUSINESS, LOCATED IN CALIFORNIA. BUSINESS HAS STEADILY INCREASED EVERY YEAR, WITH UNLIMITED OPPORTUNITY FOR FURTHER ADVANCEMENT. OWNERS RETIRING. $45,000 TO HANDLE BALANCE ON TERMS TO RIGHT PARTY. EXCELLENT RETURN ON INVESTMENT. ADDRESS, Box 7335, **NATIONAL CLEANER & DYER.** -11

CLEANING PLANTS WANTED

Wanted: Modern plant in Illinois, Indiana or Michigan. Doing between $800 and $1,000 per week. In town of 40,000 population or less. **ADDRESS,** Box 7322, **NATIONAL CLEANER & DYER.** -1

PARTNERSHIP WANTED

CINCINNATI: $30,000 will buy half interest in well-established, modern, retail and wholesale drive-in drycleaning plant and business, complete with real estate. Equipped for $250,000 volume. Eiding Real Estate, 4940 Glenway, Cincinnati 38, Ohio, GRandview 1284. 7246-9

FOR LEASE

MODERN Stoddard solvent plant, new Butler equipment, established business in central Illinois. Good money maker, built on quality work. Reason for leasing, owner of two plants. Write or contact: **MODERN CLEANERS, CLINTON, ILLINOIS.** 7286-20

SEWING ROOM SUPPLIES

BARGAINS—100 TALON TROUSER ZIPPERS, $11.50; 24 SUEDE LEATHER ELBOW PATCHES, $4.00; 24 KNITTED CUFFS, $3.00. Ask for free price list of tailor trimmings, buttons, thread, tags, pins, complete line. Nassau Notionhouse, Nassau, N. Y. 5639-42

TAILORING INSTRUCTIONS

LEARN TAILORING, REPAIRING, DESIGNING and CUTTING on men's and women's garments. (3 Separate Books.) Free booklets describing these books sent on request. Resident courses also. Master Designer, Dept. K, 400 S. State Street, Chicago, Ill. 5670-18

SITUATIONS WANTED

Production manager wants position in Middlewest or Colorado, can produce, facts to back it up, 42, **SOBER,** married, former owner of plant, plenty of references. **ADDRESS,** Box 7311, **NATIONAL CLEANER & DYER.** -5

Administrative or consultation services (temporary or permanent) relating to problems in production, sales, personnel, expansion, etc., is offered by one whose broad background in management and production engineering in the field of drycleaning-laundry and its' associated services, assures you of a comprehensive study in simple language. No costs (except reimbursement for travel, etc., expenses) for any analysis. Metropolitan New York, Long Island area. **ADDRESS,** Box 7312, **NATIONAL CLEANER & DYER.** -5

Expert silk spotter—I am all around man. Can give you quality and production, 30 years of experience, desire a steady position. Can give good references. **ADDRESS,** Box 7313, **NATIONAL CLEANER & DYER,** -5

Sales manager for stores and routes, can produce, have facts to back it up. Plenty of references, 42, married, **SOBER,** former owner of plant, know how to promote for sales, prefer Middlewest or Colorado. **ADDRESS,** Box 7310, **NATIONAL CLEANER & DYER.** -5

HELP WANTED

PRESS ENGINEER—permanent position with opportunity for rapid advancement in engineering department of large manufacturer is open for qualified engineer experienced in development of laundry and drycleaning presses. Profit-sharing and insurance benefits. Location—Rochester, N. Y. **ADDRESS,** Box 7306, **NATIONAL CLEANER & DYER.** -7

SALESMEN FOR DRYCLEANING INDUSTRY—Limited travel. Salary and expenses against earned commissions. Must have good personality and know the drycleaning business. A following is desired but not necessary. Must be able to sell and service accounts. Write full details in first letter. This is an excellent opportunity. Act now! **STA-NU CORPORATION,** 4850 W. Belmont Ave., Chicago 41, Ill. 7307-7

SUPERINTENDENT—To supervise laundry and drycleaning production in modern, progressive, well-established, 125-employee plant. Location 60 miles from metropolitan New York, in fast-growing, pleasant Long Island community. Applicant must have experience managing large operation and be well qualified in employee relations and efficient production methods. Applicant must be an enthusiastic industry booster and have desire to grow with a growing organization. Salary $10,000 per year. Job steady, future good. Executive pension plan available. State all details in letter. Mr. Wesley Springhorn, Blue Point Laundry, Blue Point, Long Island, N. Y. 7308-7

HELP WANTED (Cont'd)

Experienced cleaner, spotter, NID graduate preferred. Steady position with job security for a top grade man in a quality plant in Connecticut. **ADDRESS,** Box 7319, **NATIONAL CLEANER & DYER.** -7

ARE THERE ANY FIREBALLS IN THE DRYCLEANING FIELD? HERE IS YOUR OPPORTUNITY. WE NEED A SUPERVISOR FOR FOUR PACKAGE PLANTS IN SUCCESSFUL CHAIN OF SYNTHETIC PACKAGE PLANTS. EXCELLENT FUTURE FOR RIGHT MAN AROUND 30, WHO IS EXPERIENCED AND ENERGETIC. MUST HAVE GOOD PERSONALITY AND BE ABLE TO GET ALONG WITH PEOPLE. OPERATION IS IN MIDDLE WEST AND HAS BEEN WRITTEN UP OFTEN IN THE TRADE MAGAZINES. SEND COMPLETE DETAILS SO INTERVIEW CAN BE ARRANGED. ADDRESS, Box 7320, **NATIONAL CLEANER & DYER** -7

Experienced spotter, silk and wool, who also knows drycleaning in a solvent plant. Would act as manager in absence of owner. Highest wages or salary. Must be married, sober, and furnish references. Location, Canton, Ohio. **ADDRESS,** Box 7317, **NATIONAL CLEANER & DYER.** -7

PLANT MANAGER to take full charge of quality drycleaning plant located in central Michigan . . . able to take responsibility for entire operation. Salary and attractive bonus arrangement for right man. Send complete qualifications so interview may be arranged. Address: M.I.D., P.O. Box 944, Lansing, Michigan. 7318-7

ASSISTANT TO SALES MANAGER, LEADING MANUFACTURER of drycleaning and laundry machinery. Sales engineer or technical man to assist on sales promotion, field training and distributors, equipment application and quotation. Eastern location. Submit complete resumes, including age, education, experience and employment record. **ADDRESS,** Box 7330, **NATIONAL CLEANER & DYER.** -7

SALESMEN-DISTRIBUTORS WANTED

DISTRIBUTORS—JOBBERS for wire garment hangers. Exclusive territories still available. **DIAMOND WIRE HANGER CO., CLAIRTON, PA.** Mfrs. of Wire Coat Hangers. 5669-14

DISTRIBUTORS—JOBBERS wanted to handle the Safe Guard automatic by-pass valve, connected in the by-pass circuit, making it automatic. Burd Mfg. Co., 1897 Columbus Ave., Springfield 3, Mass. 7261-14

JOBBERS—DISTRIBUTORS for **PADS, COVERS** and **FLANNELS** of **BEST QUALITY and FULL CUT.** Write for samples and low prices to **E. L. RUBIN Mfg. Co.,** 4 Monroe Street, Pittsfield, Mass. 5920-14

Salesman with a large following among cleaners and laundries to sell fur cleaning and storage chemicals. Unusual opportunity with well-known firm. No technical background necessary. Bernard Sirotta Company, 680 Smith St., Brooklyn 31, N. Y. 3371-14

MACHINERY WANTED

WANTED: USED HOFFMAN UTILITY PRESSES, any model, any amount. Address: "M.A.T.S.A." Dr. Pasteur 113, **MEXICO 7, D. F., MEXICO.** 5703-3

POWER PLANT EQUIPMENT FOR SALE

Boilers—package—60 H.P. Dutton Econotherm—125 lbs. W.P., #5 oil—perfect—new tubes—reasonable. P.O. Box 95, Ramsey, N. J. 7326-36

MACHINERY FOR SALE

LIQUIDATION SALE OF ENTIRE DRYCLEANING PLANT, ALL MACHINERY A1 CONDITION; 54 x 72" HOFFMAN BALLOON DRYCLEANING WASHERS; 48" and 60" AMICO OPEN-TOP EXTRACTORS; 5000 and 8000 GALLON FILTERS, MOTOR-DRIVEN PUMPS, TRAPS, ETC. ALSO SMALLER WASHERS, EXTRACTORS AND FILTERS AVAILABLE. VERY REASONABLY PRICED. WRITE, WIRE OR 'PHONE FOR FULL DETAILS. WILLIAMS LAUNDRY MACHINERY CO., INC., 37-37 9th STREET, LONG ISLAND CITY 1, NEW YORK. STILLWELL 6-6666. 5378-4

For drycleaning-laundry machinery try KEEL COMPANY, 7230 N. Western Avenue, Chicago 45, Illinois. 1463-4

120" American 2-roll flatwork ironer; 42x54" American Norwood Monel washer, 48" American open-top extractor—monel basket—electric brake; 24x36" American Norwood washer, 2-speed; 30x36" American Zone-Air tumbler, 6-coil, reversing; 26", 28" and 30" American extractors; 25-gallon Monel starch cooker, new; Prosperity shirt unit. **THE ANCHOR LAUNDRY MACHINERY & SERVICE, INC.,** 464 Seneca Ave., Brooklyn 37, N. Y. 7304-4

MACHINERY FOR SALE (Cont'd)

Hat blocking equipment—sand bag, lathe iron, hot plate, embossing machine, steam pot. Blocks and flanges, all sizes. Priced at $195. Sky's Cleaners, 2926 Gilbert Ave., Cincinnati 6, Ohio. 7305-4

Sec-O-Matic synthetic cleaning unit, like new. Monarch Cleaners, 128 N. Main Ave., Sidney, Ohio. 7325-4

ADJUSTA-FORMS, CERTIFIED REBUILT. PRICED SURPRISINGLY LOW. WRITE FOR DETAILS. SAXE-FREEMAN COMPANY, OMAHA, NEBRASKA. 7332-4

COMPLETE PETROLEUM CLEANING ROOM CHEAP! GROSS AND AMERICAN WASHERS, 2 HUEBSCH TUMBLERS, HOFFMAN FILTER AND STILL, 15 H.P. BOILER, TANKS, MOTORS, PIPE, VALVES AND MANY OTHER ITEMS. WORTH $2,995. MAKE US AN OFFER. MARSHALL'S, RAVENNA, OHIO. 7333-4

STAINLESS-STEEL SCRUB TABLES used for brushing out stains, etc. Quality construction throughout with heavy stainless-steel tops 55" long, 28" wide, 35" high and 2½" sides bent up with tapered opening on one end to permit draining into laundry tub. Leg and frame of sturdy 1" galvanized pipe. Send for free sketch. From manufacturer to you! **Complete—ONLY $97.50** f.o.b. Highland, Indiana. Highland Metal Products Co., 2655 Garfield St., Highland, Indiana. 7328-4

CLOTHES CARTS 36" long, 20" wide and 48" to top of ¾" pipe cross bar of frame. Heavy-gauge expanded metal platform welded inside of angle-iron frame. Quality construction throughout. 2" heavy-duty casters on pivots. **ONLY $28.75** f.o.b. Highland, Indiana. Send for free sketch. Highland Metal Products Co., 2655 Garfield St., Highland Indiana. 7329-4

Modern, fully equipped, 140 F Hoffman drycleaning plant in fast-growing community, 60 miles from San Francisco, Calif. $1.50 prices and up. Gross $40,000. Good lease. Should be seen to be appreciated. Wish to retire. **ADDRESS,** Box 7293, **NATIONAL CLEANER & DYER.** -4

Ames 80 H.P. automatic gas or oil fired boiler, 6 years old; Butler still 125 gal. P.H.; Amico 40" extractor; Hoffman Pantex presses; set puffers, 1300 gal. P.H. Butler filter; 36 x 30" Zone-Air American tumbler. Best condition. Out of business. E. Kaufman, 1024 Bucknell Ave., Johnstown, Pa. 7294-4

8 Brand-new 36x36" **ACME & WESTERN LAUNDRY MACHINERY** all-wood, motor-driven, single and end-driven one-pocket washers, with reversing control panel, pushbutton station and timer. F.O.B. Chicago—**ACME $525; WESTERN $475.** Subject to prior sale. Chicago Used & New Laundry Equipment Co., 3128 W. Lake St., Chicago 12, Ill. NEvada 8-7763, 7336-4

1 VIC ROCKET PER synthetic, 1 year old, 40 lb. unit with shaker filter, still and recovery unit; 1 used **MERCURY 140F** unit with filter; 1 new **MERCURY UL** label 36x30" tumbler; 1 used **TRIPLEX** single and double unit; presses, boilers and finishing equipment. Chicago Used & New Laundry Equipment Co., 3128 West Lake St., Chicago 12, Ill. NEvada 8-7764. 7337-4

REWEAVING

FREE SALES KIT—Including "easy-to-use" pricing guide and sales instructions, also display signs. Complete setup to handle **REWEAVING** as a profitable sideline. Retain good will by eliminating plant damages. With our complete **FRENCH-WEAVING-OVERWEAVING-STOTING-RE-KNITTING** service, we can handle any size or type of damage. **LOW WHOLESALE** prices and profitable wholesale discount. **24-HOUR SERVICE** available on all garments. Free estimates. **GLOBE WEAVING SERVICE,** 210 W. Van Buren St., 8th Fl., Chicago, Illinois. Dept. B. "America's Leading Reweaving Service." 4411-29

The **FRENCH TEXTILE CO.** is a good company to do business with, 428 Ave. A, Rochester 21, N. Y. 5590-29

REWEAVING CHEAPER THAN YOU COULD DO IT YOURSELF! Prices 75¢ per running inch. 20% extra discount for large volume accounts. We pay return postage. Open account to established firms. We ship garments same day as received. Work guaranteed for the life of the garment. Satisfaction or no charge. Free signs, mailing labels and tags. **THRIFTY WEAVERS,** 1412 Adams St., Toledo 4, Ohio. 5713-29

The **FRENCH TEXTILE CO.** does the finest reweaving in tropical worsteds. 428 Ave. A, Rochester 21, N. Y. 5591-29

REWEAVING (Cont'd)

A. A. A. WEAVING SERVICE. Holes, burns, tears and imperfections in garments and fabrics of all descriptions expertly rewoven by hand. **FINEST WORK AT NEW LOW PRICE SCHEDULE.** Save money on claims and adjustments. Sell this very profitable service to your customers. We pay postage one way. **A. A. A. WEAVING SERVICE, 1182 MADISON AVENUE, NEW YORK CITY 28.** 150-29

REWEAVING, ONE-DAY SERVICE: Cigarette burns, moth-holes, tears, spots in clothes, linens, rugs, upholstery fabrics, like new. Small jobs returned same day. Send garments for estimate. **GIVE US A TRIAL.** You'll be amazed to see the difference between our work and what you've been getting. Established 1910. American Textile Weaving Co., 5 N. Wabash Ave., Chicago 2, Ill. 5516-29

FOR GUARANTEED REWEAVING in wool garments, ship to French Textile Co., 428 Ave. A, Rochester 21, N. Y. 5594-29

REWEAVING BY THE SUPERIOR FRENCH PROCESS. MOTH-HOLES, BURNS, ETC., REWOVEN TO THE EXACT PATTERN. COAST-TO-COAST. MODERATE PRICES. SMALL DAMAGES RETURNED SAME DAY RECEIVED. SATISFACTION GUARANTEED. SEND A TRIAL ORDER TODAY. R. M. WEISSERT, 315 NORTH 7TH ST., ST. LOUIS, MO. 5545-29

"40% PROFIT WITHOUT INVESTMENT." Send us garments with burns, rips, holes to be skillfully rewoven by the exclusive **WONDERWEAVE** method. 100 operators, fast service. All work guaranteed for life of garment. No investment, time or labor required. OR, do your own reweaving. We sell equipment for $12 complete with instructions. Replacement points $6 each. Write to Wonder Weavers, established 1899, 44 Whalley Avenue, Dept. 9, New Haven, Connecticut. 3298-29

50% PROFIT—without investment. For the **BEST** deal on all your **REWEAVING,** deal **LOCALLY.** Write for **FREE** sample jobs, work estimator and silk-screened signs (worth $15). International Weaving Industries, Inc., 45 Clinton St., Newark 2, N. J. 7321-29

REWEAVING—Saves and renews damaged garments. Contact us. Send garments for estimate. **MAGIC RE-WEAVING SERVICE**—227 Ness Building, 28 West 2nd South, Salt Lake City, Utah. Phone: 6-4052. 1629-29

FOR GUARANTEED REWEAVING SERVICE ship your next damaged garment to us. We use the real French-Rochester Method only. Send us the difficult jobs that others reject. We will do it right or no charge. French Textile Co., 428 Avenue A, Rochester 21, N. Y. 5831-29

INVISIBLE REWEAVING BY EXPERTS. One order will convince you that we are the best. Three day service on large jobs, one day if requested. Wholesale prices $.75 per running inch. We French Weave all small damages. Knitted garments expertly repaired. Free estimates. Satisfaction guaranteed. We pay return postage on all orders over $5.00. **STIMMEL RE-WEAVERS, 435 1st NATIONAL BANK BLDG., SPRINGFIELD, OHIO.** 7221-29

HEDDA MOHL, REWEAVER, formerly **VIENNA, PARIS.** Original French weaving, reweaving, stoting, invisible mending. Holes, burns and tears expertly rewoven. Quick service. Satisfaction guaranteed. Wholesale prices. Return postage paid. 48-hour service. (Promotion kit free.) Hedda Mohl, Reweaver, Colorado Springs, Colorado. East of Chicago, Hedda Mohl, 832 Montrose Ave., Chicago 13. 4839-29

The **FRENCH TEXTILE CO.** does the finest reweaving on tweeds and overcoats. 428 Ave. A, Rochester 21, N. Y. 5596-29

The old reliable **"BERGER DAMAGE REWEAVING"** serving the cleaners and tailors trade almost forty years. The finest type of skilled work only. Prompt service, reasonably priced. Our work wins you good will. Estimates cheerfully made. Return postage paid by us. If you want the "Best," mail your jobs to **"BERGER DAMAGE REWEAVING COMPANY,"** 765 Madison Ave., New York 21, N. Y. 5966-29

The **FRENCH TEXTILE CO.** guarantees satisfaction or no charge. 428 Ave. A, Rochester 21, N. Y. 5597-29

REWEAVING. Complete **SALES KIT FREE** including signs, advertising mats, instruction book, **PRICING CHART,** work tickets and envelopes at **NO CHARGE.** A prompt efficient **WHOLESALE** service at a **MODERATE COST.** We reweave the exact pattern in all fabrics. Our complete reweaving service will make you a satisfied, permanent customer. Send garment for estimate. Open accounts if desired. Return postage paid. **MONEY BACK GUARANTEE. CINCINNATI REPAIR SERVICE,** 413 Race St., Cincinnati 2, Ohio. 4066-29

ADAMS WEAVING COMPANY the best known name in Re-weaving. Burns, moth holes, rips in garments, linens and sweaters. An extra service for you to offer with an excellent profit. Top-quality workmanship that will avoid trouble with plant damages. Quick and guaranteed service. **ADAMS WEAVING COMPANY,** 1010 Republic Building, Chicago, Illinois. 5470-29



SUEDE & LEATHER SERVICE

SUEDES AND LEATHERS cleaned and dyed to perfection. Prompt service. Fully insured. Reasonable prices. Ship to **THE SUEDE KING,** 1311 East State Street, Sharon, Pa. 5234-13

SUEDE AND LEATHER SPECIALISTS. GUARANTEED "LANO-LUSTRE" CLEANING AND REFINISHING PROCESS. NATURAL OILS, COLOR AND SOFTNESS RESTORED. ONE-WEEK SERVICE. COMPLETE REPAIR FACILITIES. SEND FOR INFORMATION FOLDER AND WHOLESALE PRICE LIST. FREE WINDOW DISPLAY SIGN WITH FIRST JOB. SEND TO WARDROBE SERVICE COMPANY, 1304b McGEE, KANSAS CITY, MISSOURI. 5915-13

Suede and Leather cleaned and refinished—Jacket $3.50, Topper, $5.00, Coat $6.00. Advance Leather Coloring, 1628 Pitkin Ave., Brooklyn 12, N. Y. 5849-13

Wholesale leather and suede cleaning, redyeing, refinishing. Hundreds of satisfied customers in every state. Open account. Try our exclusive **DAVOTEX** process. You will become a regular customer. **C.O.D. CLEANING & DYEING CO.,** 1430 Harrison St., Davenport, Iowa. 6055-13

SUEDE AND LEATHER SPECIALISTS. Guaranteed "Clean Bright" cleaning and refinishing process. Natural oils, color and softness restored. One week service. All garments sent to us are fully insured, wholesale and retail. Once a customer, always a customer. Send for price list. Returned parcel post prepaid. **BERKSHIRE SUEDE AND LEATHER CLEANING CO., 68 DALTON AVE., PITTSFIELD, MASS.** 7092-13

COLE LEATHER CLEANERS OF AMERICA. LET OUR 40 YEARS of quality reconditioning and cleaning of all shades of leather and suede—work for you. Our work is known to be the finest—designed for those interested in maintaining superior service at reasonable prices. Send your garments for prompt, detailed report including cost for necessary work. Write today for our price list. **"OUR RECOMMENDATION COMES FROM OUR CUSTOMERS," COLE LEATHER CLEANERS OF AMERICA, 1287 SECOND AVE., N. Y. 21, N. Y. PHONES:** LEhigh 5-0060—LEhigh 5-0250. 5968-13

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